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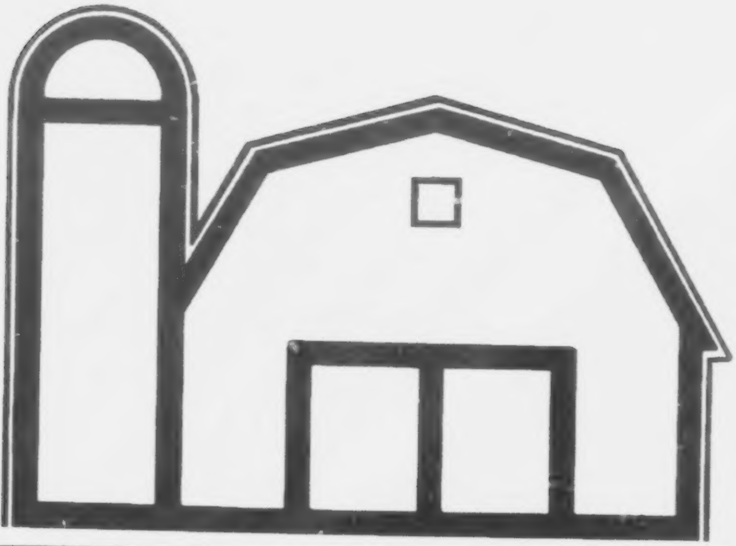
1987
Census of Agriculture

AC87-A-22

Volume 1
GEOGRAPHIC AREA SERIES

Part 22

Michigan
State and County Data



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Members of the Census Advisory Committee on Agriculture Statistics and representatives of both public and private organizations made significant recommendations which helped establish data content.

Members of various agencies of the U.S. Department of Agriculture provided valuable advice in the planning, publicizing, and processing phases of the census, and in helping farmers and ranchers complete the report forms.

The press, farm magazines, radio and television stations, and farm organizations were most helpful in publicizing the census and encouraging cooperation of farm and ranch operators.

Special tribute is paid to the millions of farm and ranch operators who furnished the information requested. Only through their cooperation was it possible to collect and publish the data in this report.

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(301) 763-8566 Farm Economics Branch
(301) 763-1113 General Information
(301) 763-8558 Statistical Methodology

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Issued May 1989

U.S. Department of Commerce
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BUREAU OF THE CENSUS

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HISTORY

The 1987 Census of Agriculture is the 23d taken by the U.S. Department of Commerce, Bureau of the Census. The first agriculture census was taken in 1840 as part of the sixth decennial census of population. From 1840 to 1950, an agriculture census was taken as part of the decennial census. A separate mid-decade census of agriculture was conducted in 1925, 1935, and 1945. From 1954 to 1974, a census of agriculture was taken for the years ending in 4 and 9. In 1976, Congress authorized the census of agriculture to be taken for 1978 and 1982 to adjust the data reference year so that it coincided with the economic censuses covering manufacturing, mining, construction, retail trade, wholesale trade, service industries, and selected transportation activities. This adjustment in timing established the agriculture census on a 5-year cycle collecting data for years ending in 2 and 7.

USES OF THE CENSUS

The census of agriculture is the leading source of statistics about the Nation's agricultural production and the only source of consistent, comparable data at the county, State, and national levels. Census statistics are used by Congress in developing and changing farm programs and for determining the effects of these programs. Many national and State programs are designed or allocated on the basis of census data, such as funds for extension services, research, and soil conservation projects. Private industry uses census statistics to provide a more effective production and distribution system for the agricultural community.

AUTHORITY AND AREA COVERED

The census of agriculture is required by law under Title 13, United States Code, sections 142(a) and 191, which directs that a census be taken in 1979, 1983, and in every fifth year after 1983 covering the prior year. The 1987 census includes each State, Puerto Rico, Guam, and the Virgin Island of the United States. A census of agriculture will be conducted in American Samoa and the Commonwealth of the Northern Mariana Islands in conjunction with the 1990 Census of Population and Housing.

FARM DEFINITION

Since 1850, when minimum criteria defining a farm for census purposes first were established, the farm definition has been changed nine times. The current definition, first used for the 1974 census, is any place from which $1,000 or more of agricultural products were produced and sold or normally would have been sold during the census year. The farm definition used for the outlying areas varies according to area. The report for each area includes a discussion of the farm definition.

COMPARABILITY OF DATA

Data on acreages and inventories for 1987 and 1982 are generally comparable. Dollar figures shown for expenses and agricultural product sales are expressed in current dollars and have not been adjusted for inflation or deflation. In general, data for censuses since 1974 are not fully comparable with data for 1969 and earlier censuses due to changes in the farm definition.

The 1978 U.S., region, and State data shown in the 1978 Census of Agriculture publications included data for farms on the mail list plus estimates from an area sample for farms not on the mail list. For comparability, the 1978 data in the 1987 publications include only farms on the mail list.

TABULAR PRESENTATION

State data—Tables 1 through 47 in chapter 1 show detailed State-level data usually accompanied by historical data for one or more past censuses. Tables 48 through 53 provide 1987 State data cross-tabulated by various farm classifications.

County data—Chapter 2 presents selected data items by county. Tables 1 through 16 include general data for all counties. The counties are listed in alphabetical order in the column headings. Tables 17 through 36 include only counties reporting the data item. Counties not having the item, or with a limited number of farms reporting the item, have data combined and presented as "all other counties."

ADVANCE REPORTS

Advance reports of 1987 census data have been published separately for each county with 10 farms or more, each State, and the United States. This series provided, at the earliest possible date, final data on major data items together with comparable final data from the 1982 census. Data items are standard across States except information on selected crops harvested, which vary by State according to their relative importance in the State.

ELECTRONIC DATA DISSEMINATION

The volume 1 data are available on computer tapes and compact disc. The advance report data are available on computer tapes, computer diskettes, and through electronic data services such as the AGRIDATA network, the CENDATA package on Dialog, CompuServe on-line services, and the Census Bureau's State Data Center Bulletin Board. Computer tapes, diskettes, and compact discs are sold by the Customer Services Branch, Data User Services Division, Bureau of the Census, Washington, D.C. 20233 (telephone (301) 763-4100).

SPECIAL TABULATIONS

Custom designed tabulations can be developed to individual user specifications on a programming cost reimbursable basis. Inquiries about special tabulations should be directed to the Chief, Agriculture Division, Bureau of the Census, Washington, D.C. 20233.

CENSUS DISCLOSURE RULES

In keeping with the provisions of Title 13, United States Code, no data are published that would disclose the operations of an individual farm. However, the number of farms in a given size category or other classification, such as size of farm, is not considered a release of confidential information and is provided even though other information is withheld.

INVENTORIES, PRODUCTION, AND SALES DATA

Inventories of livestock, poultry, and machinery and equipment are measured as of December 31 of the census year. Crop and livestock production, sales, and expense data are for the calendar year, except for a few crops (such as citrus) for which the production year overlaps the calendar year.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used throughout the tables:

-	Represents zero.
(D)	Withheld to avoid disclosing data for individual farms.
(IC)	Independent city.
(NA)	Not available.
(S)	Withheld because estimate did not meet publication standards on the basis of either the response rate (associated relative standard error) or a consistency review.
(X)	Not applicable.
(Z)	Less than half of the unit shown.
cwt	Hundredweight.
sq ft	Square feet.

Highlights of the State's Agriculture: 1987 and 1982

[Dollar figures are in current dollars with no adjustment for price changes. For meaning of abbreviations and symbols, see introductory text]

Item		All farms		
		1987	1982	Percent change from 1982 to 1987
Farms	number	51 172	58 661	-12.8
Land in farms	acres	10 316 861	10 942 172	-5.7
Average size of farm	acres	202	187	8.0
Value of land and buildings[1]:				
Average per farm	dollars	196 065	228 236	-14.1
Average per acre	dollars	971	1 223	-20.6
Farms by size:				
1 to 9 acres		2 866	2 714	5.6
10 to 49 acres		12 174	14 300	-14.9
50 to 179 acres		19 779	23 336	-15.2
180 to 499 acres		11 329	13 539	-16.3
500 to 999 acres		3 667	3 672	-.1
1,000 to 1,999 acres		1 134	924	22.7
2,000 acres or more		223	176	26.7
Harvested cropland	farms	46 017	53 738	-14.4
	acres	6 172 468	7 255 909	-14.9
Irrigated land	farms	3 755	3 179	18.1
	acres	314 953	285 983	10.1
Market value of agricultural products sold	$1,000	2 545 078	2 588 317	-1.7
Average per farm	dollars	49 736	44 123	12.7
Crops, including nursery and greenhouse crops	$1,000	1 272 802	1 364 665	-6.7
Grains	$1,000	578 016	795 210	-27.3
Cotton and cottonseed	$1,000	-	-	-
Tobacco	$1,000	-	-	-
Hay, silage, and field seeds	$1,000	53 956	47 701	13.1
Vegetables, sweet corn, and melons	$1,000	136 925	115 525	18.5
Fruits, nuts, and berries	$1,000	163 847	162 143	1.1
Nursery and greenhouse crops	$1,000	215 912	139 682	54.6
Other crops	$1,000	124 146	104 404	18.9
Livestock, poultry, and their products	$1,000	1 272 276	1 223 652	4.0
Poultry and poultry products	$1,000	116 432	101 375	14.9
Dairy products	$1,000	568 249	613 059	-7.3
Cattle and calves	$1,000	320 270	295 881	8.2
Hogs and pigs	$1,000	226 148	182 764	23.7
Sheep, lambs, and wool	$1,000	5 632	5 207	8.2
Other livestock and livestock products (see text)	$1,000	35 546	25 366	40.1
Farms by type of organization:				
Individual or family (sole proprietorship)		45 166	52 022	-13.2
Partnership		4 662	5 495	-15.2
Corporation		1 167	947	23.2
Other—cooperative, estate or trust, institutional, etc.		177	197	-10.2
Operators by principal occupation:				
Farming		26 112	30 107	-13.3
Other		25 060	28 554	-12.2
Operators by days worked off farm:				
Any		29 155	33 579	-13.2
200 days or more		20 818	23 181	-10.2
Average age of operator	years	50.9	49.5	2.8
Total farm production expenses[1]	$1,000	2 211 823	(NA)	(NA)
Selected farm production expenses[1]:				
Livestock and poultry purchased	$1,000	190 386	170 034	12.0
Feed for livestock and poultry	$1,000	273 192	254 964	7.1
Commercial fertilizer[2]	$1,000	194 526	242 091	-19.6
Agricultural chemicals[2]	$1,000	119 993	114 159	5.1
Petroleum products	$1,000	120 621	181 320	-33.5
Hired farm labor	$1,000	242 445	186 312	30.1
Interest expense[3]	$1,000	197 966	273 637	-27.7
Livestock and poultry inventory:				
Cattle and calves	farms	19 436	25 657	-24.2
	number	1 163 352	1 345 793	-13.6
Milk cows	farms	6 499	9 142	-28.9
	number	344 550	398 211	-13.5
Hogs and pigs	farms	5 577	7 433	-25.0
	number	1 227 069	1 064 073	15.3
Chickens 3 months old or older	farms	3 550	5 788	-38.7
	number	8 428 623	7 572 108	11.3
Selected crops harvested:				
Corn for grain or seed	farms	25 140	30 792	-18.4
	acres	1 982 401	2 568 541	-22.8
Wheat for grain	farms	10 327	15 416	-33.0
	acres	356 073	513 445	-30.7
Soybeans for beans	farms	12 734	14 905	-14.6
	acres	1 023 599	1 122 617	-8.8
Dry edible beans, excluding dry limas	farms	4 098	5 841	-29.8
	acres	383 687	502 275	-23.6
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	25 983	28 522	-8.9
	acres	1 436 630	1 365 495	5.2
Vegetables harvested for sale (see text)	farms	3 267	3 634	-10.1
	acres	139 145	126 248	10.2
Land in orchards	farms	3 791	4 280	-11.4
	acres	161 567	165 238	-2.2

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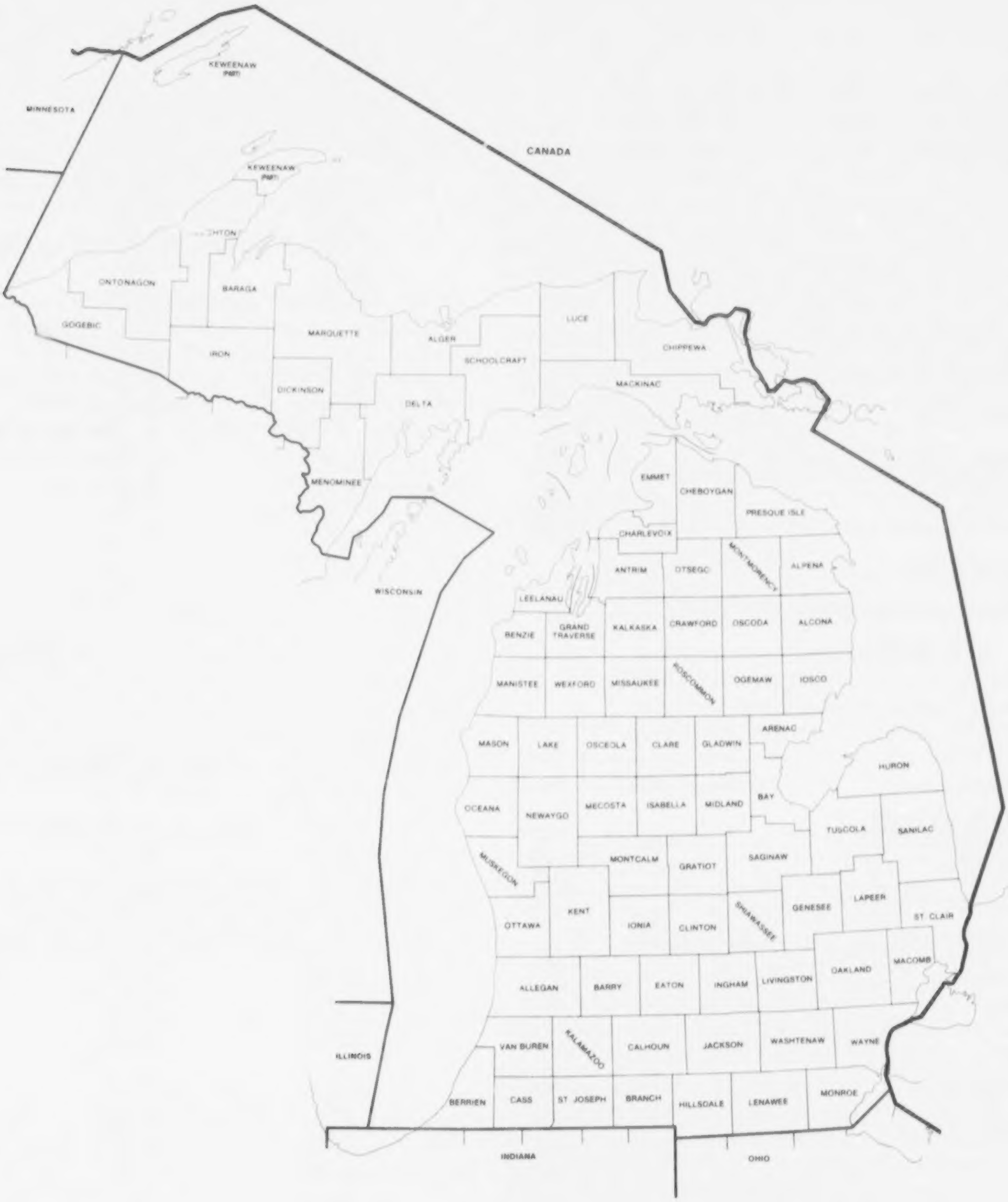
[1] Data are based on a sample of farms.
[2] Data for 1987 include cost of custom applications.
[3] Data for 1982 do not include imputation for item nonresponse.

Figure 1. **State Map**

MICHIGAN


KEWEENAW (PART)
MINNESOTA
CANADA
KEWEENAW (PART)
HTON
ONTONAGON
BARAGA
GOGEBIC
IRON
MARQUETTE
ALGER
LUCE
CHIPPEWA
SCHOOLCRAFT
MACKINAC
DICKINSON
DELTA
MENOMINEE
EMMET
CHEBOYGAN
PRESQUE ISLE
CHARLEVOIX
WISCONSIN
ANTRIM
OTSEGO
MONTMORENCY
ALPENA
LEELANAU
BENZIE
GRAND TRAVERSE
KALKASKA
CRAWFORD
OSCODA
ALCONA
MANISTEE
WEXFORD
MISSAUKEE
ROSCOMMON
OGEMAW
IOSCO
ARENAC
MASON
LAKE
OSCEOLA
CLARE
GLADWIN
HURON
OCEANA
NEWAYGO
MECOSTA
ISABELLA
MIDLAND
BAY
TUSCOLA
SANILAC
MUSKEGON
MONTCALM
GRATIOT
SAGINAW
KENT
OTTAWA
IONIA
CLINTON
SHIAWASSEE
GENESEE
LAPEER
ST CLAIR
MACOMB
ALLEGAN
BARRY
EATON
INGHAM
LIVINGSTON
OAKLAND
ILLINOIS
VAN BUREN
KALAMAZOO
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BERRIEN
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ST JOSEPH
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HILLSDALE
LENAWEE
MONROE
INDIANA
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Figure 2. **Profile of State's Agriculture: 1987**

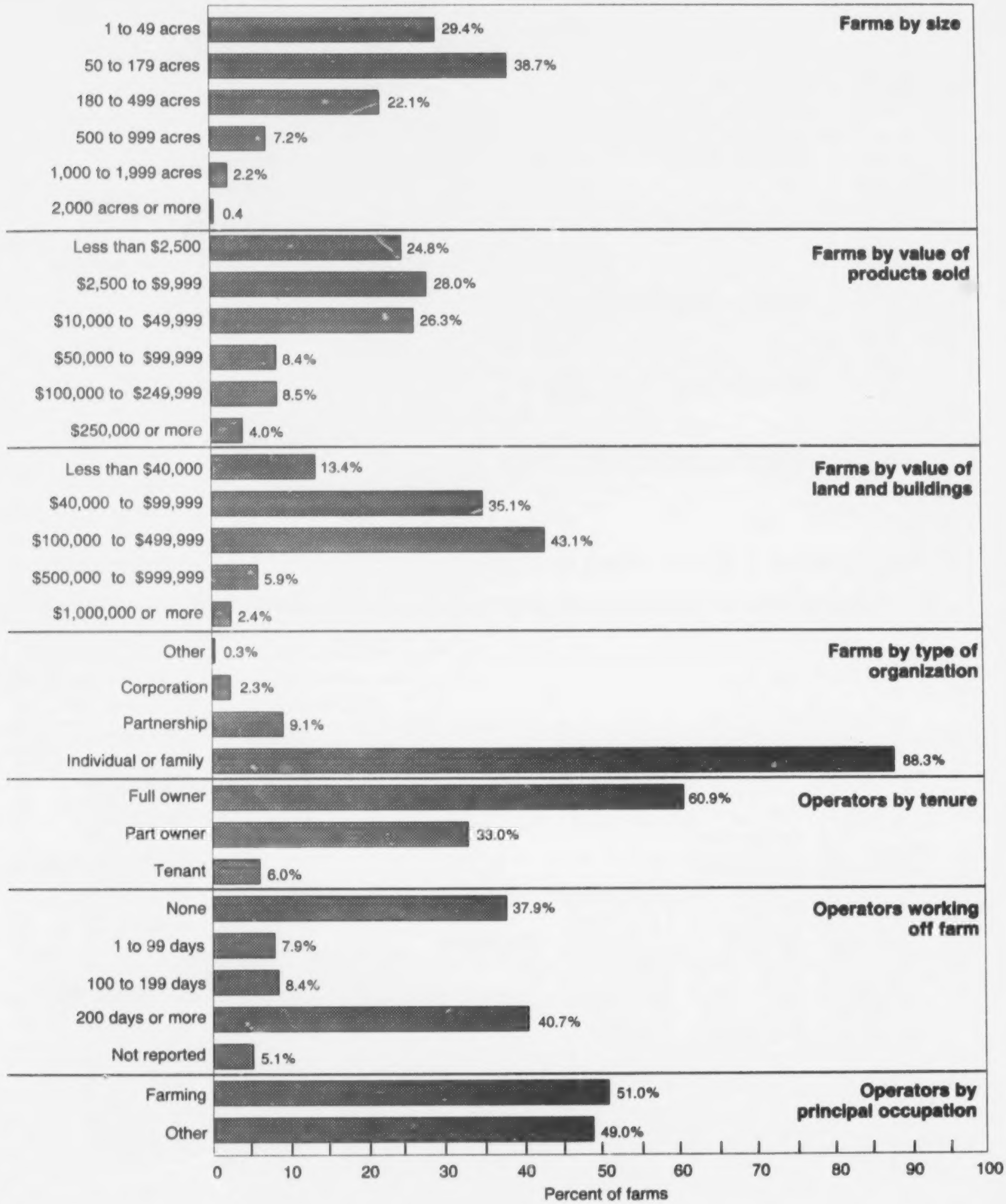

Figure 3. **Percent of Farms and of Value of Products Sold: 1987**

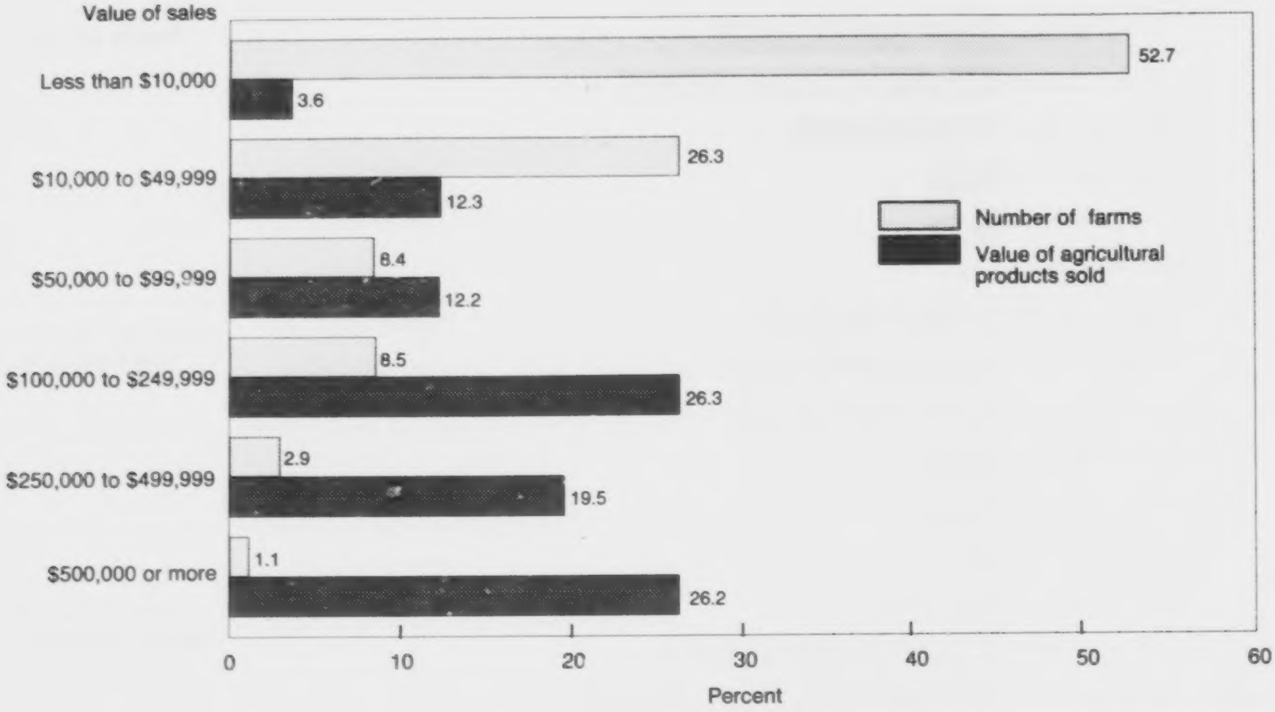

Figure 4. **Farms by Value of Agricultural Products Sold: 1959 to 1987**

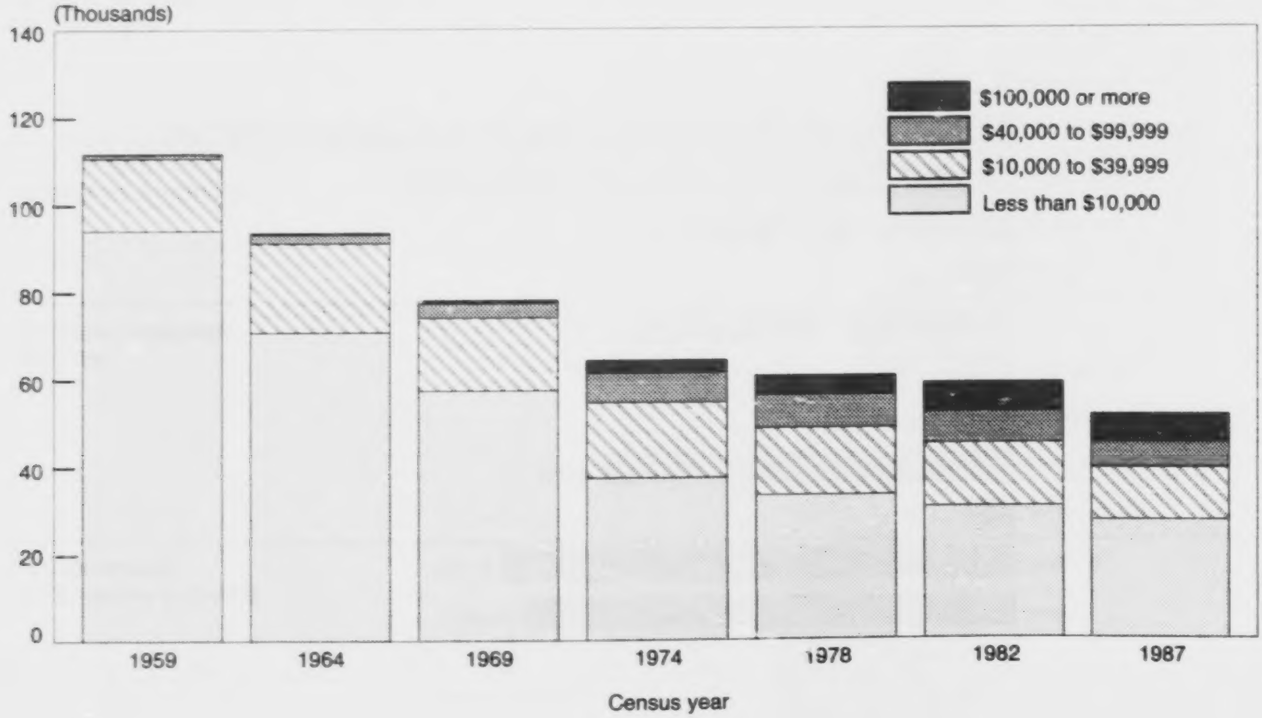

Figure 5. **Land Use: 1987**

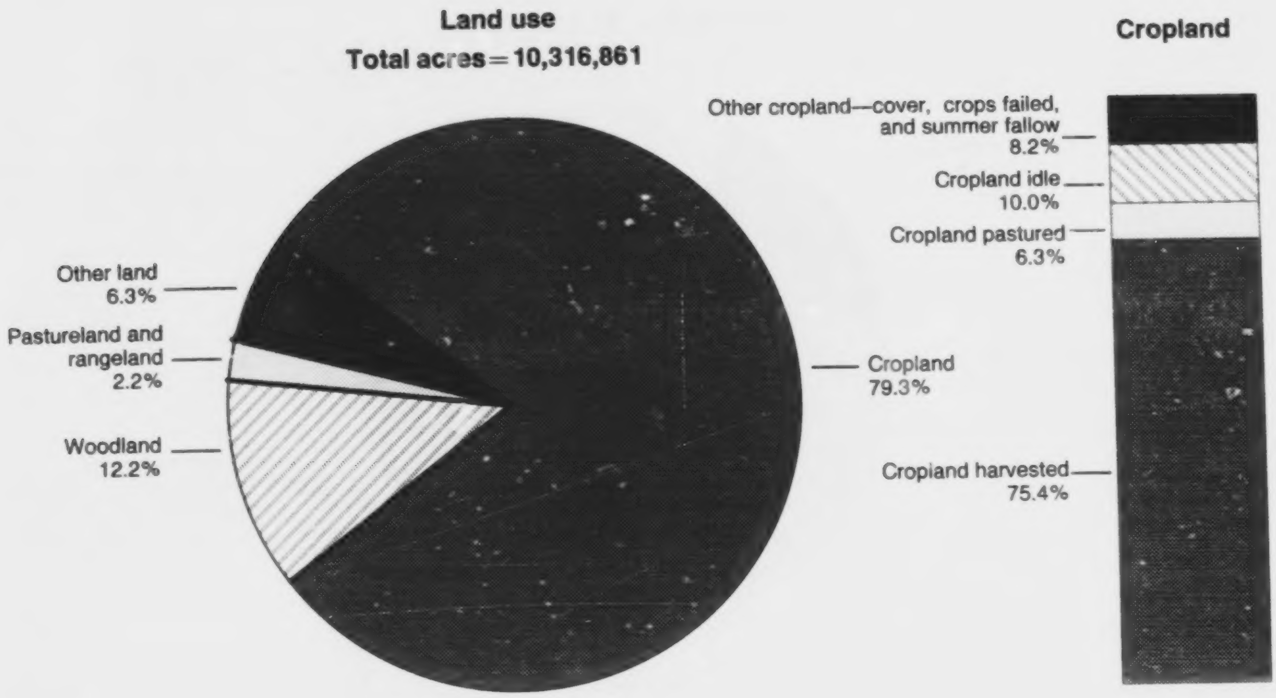

Figure 6. **Selected Crops Harvested: 1987**

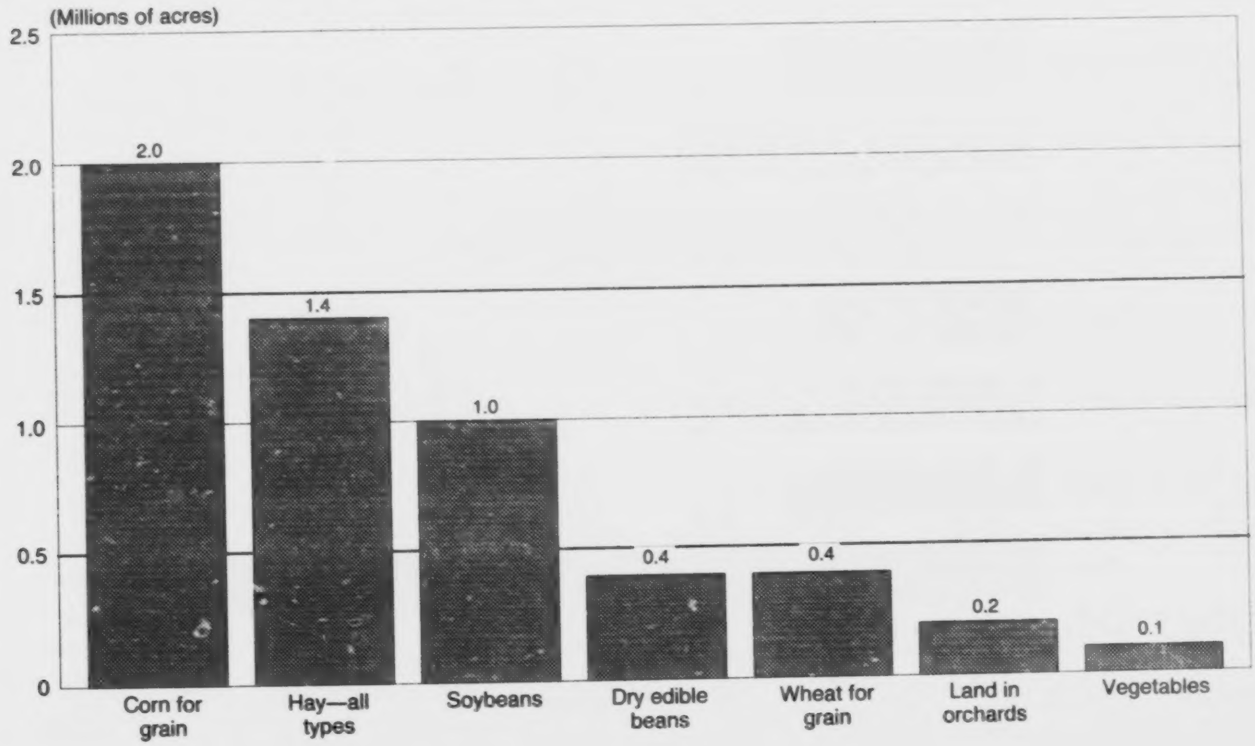

Figure 7. **Value of Livestock and Poultry Sold: 1987**

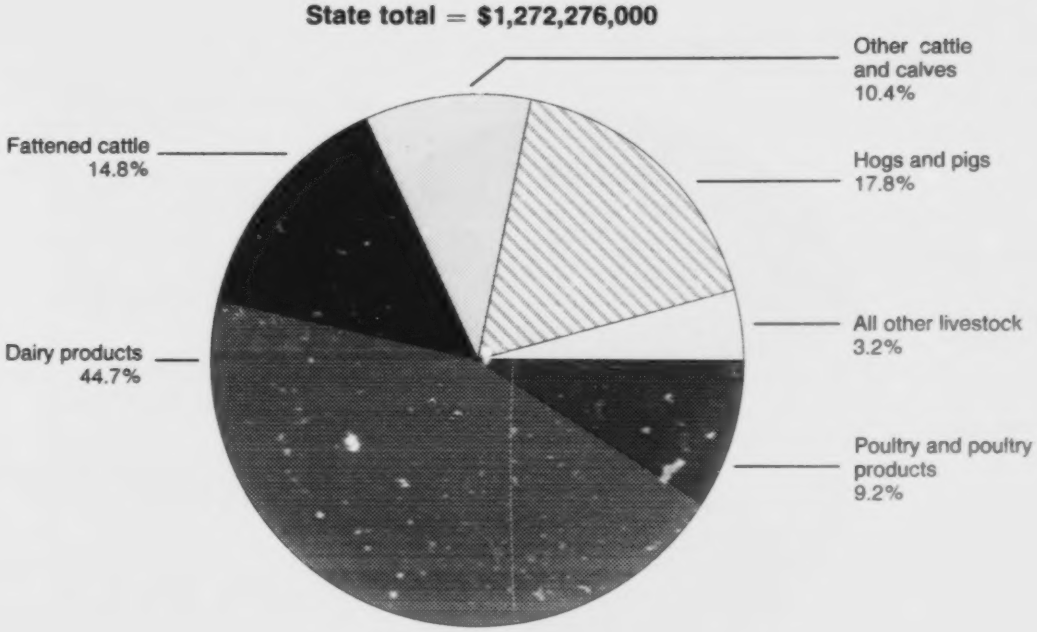

Figure 8. **Production Expenses: 1987**

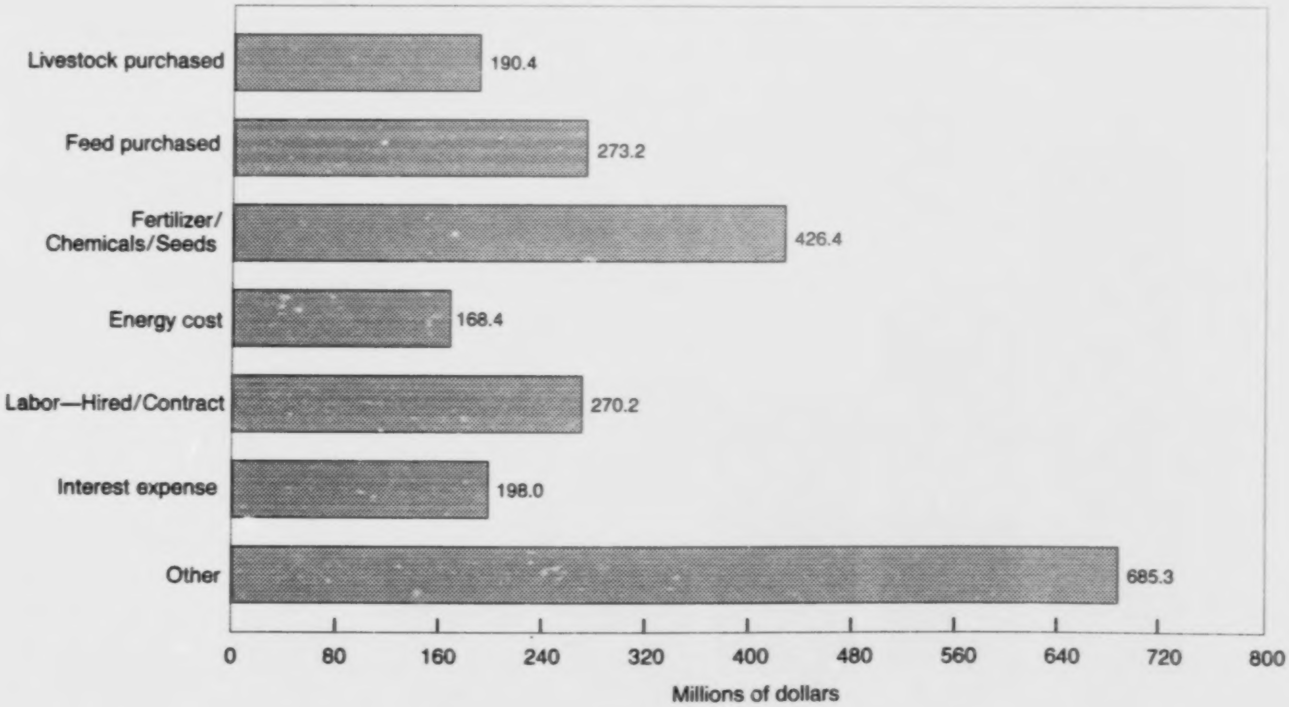

Table 1. Historical Highlights: 1987 and Earlier Census Years

[For meaning of abbreviations and symbols, see introductory text]

All farms		1987	1982	1978	1974	1969	1964	1959	1954
Farms	number	51 172	58 661	60 426	64 094	77 946	93 504	111 817	138 922
Land in farms	acres	10 216 861	10 942 172	11 038 419	10 832 234	11 900 689	13 598 992	14 782 507	16 466 750
Average size of farm	acres	202	187	183	169	153	145	132	119
Value of land and buildings[1]:									
Average per farm	dollars	196 065	228 238	175 171	93 435	49 821	34 027	25 535	15 800
Average per acre	dollars	971	1 223	960	553	326	233	193	133
Estimated market value of all machinery and equipment[1]	$1,000	2 347 585	2 676 343	1 968 471	1 313 311	715 931	(NA)	(NA)	(NA)
Average per farm	dollars	45 954	45 711	32 963	21 225	9 412	(NA)	(NA)	(NA)
Farms by size:									
1 to 9 acres		2 866	2 714	1 972	1 788	1 951	2 659	3 545	7 964
10 to 49 acres		12 174	14 300	12 627	12 233	14 334	17 753	23 225	31 113
50 to 179 acres		19 779	23 336	26 479	30 567	39 876	47 784	58 955	72 765
180 to 499 acres		11 329	13 539	15 035	16 078	19 209	22 956	24 194	25 424
500 to 999 acres		3 667	3 672	3 451	2 860	2 248	2 129	1 690	1 423
1,000 to 1,999 acres		1 134	924	747	486	285	180	206	233
2,000 acres or more		223	176	115	62	43	43		
Total cropland	farms	48 653	56 321	59 080	62 914	75 656	91 560	108 922	134 118
	acres	8 181 320	8 458 021	8 382 317	8 005 478	8 580 391	9 454 589	9 956 811	10 788 098
Harvested cropland	farms	46 017	53 738	57 294	60 836	70 605	87 947	104 712	126 757
	acres	6 172 466	7 255 909	6 774 229	8 317 638	5 501 729	6 738 032	7 154 811	7 658 801
Irrigated land	farms	3 755	3 179	3 157	2 096	2 150	2 041	1 909	1 408
	acres	314 953	265 983	225 928	96 839	77 097	48 991	40 178	23 473
Market value of agricultural products sold[2]	$1,000	2 545 078	2 588 317	1 914 314	1 491 439	829 451	766 394	622 960	545 071
Average per farm	dollars	49 736	44 123	31 680	23 270	10 641	8 196	5 571	3 924
Crops, including nursery and greenhouse crops	$1,000	1 272 802	1 364 665	997 743	828 865	349 704	360 094	284 560	253 723
Livestock, poultry, and their products	$1,000	1 272 276	1 223 652	916 571	657 721	475 210	309 783	334 193	288 030
Farms by value of sales[3]:									
Less than $2,500		12 670	13 718	14 282	18 360	34 817	39 517	53 022	76 464
$2,500 to $4,999		6 774	7 751	9 125	8 420	11 508	15 848	21 647	27 473
$5,000 to $9,999		7 548	8 741	9 652	10 412	10 887	15 298	19 363	22 556
$10,000 to $24,999[4]		8 460	10 335	10 851	24 069	19 980	22 477	17 670	10 831
$25,000 to $49,999[5]		5 002	6 143	6 644				-	1 542
$50,000 to $99,999		4 322	5 334	5 544				-	-
$100,000 to $499,999		5 808	6 140	4 044	2 678	705	333	-	-
$500,000 or more		586	480	258	131	31		-	-
Farms by type of organization:									
Individual or family (sole proprietorship)		45 166	52 022	53 931	(NA)	(NA)	(NA)	(NA)	(NA)
Partnership		4 662	5 495	5 635	(NA)	(NA)	(NA)	(NA)	(NA)
Corporation		1 167	947	699	(NA)	(NA)	(NA)	(NA)	(NA)
Other—cooperative, estate or trust, institutional, etc.		177	197	161	(NA)	(NA)	(NA)	(NA)	(NA)
Operators by days worked off farm[6]:									
None		19 384	21 350	21 888	19 760	(NA)	(NA)	(NA)	59 511
Any		29 155	33 579	36 289	34 349	49 652	52 438	60 991	75 717
200 days or more		20 818	23 161	26 054	24 549	34 807	35 909	39 190	45 486
Operators by principal occupation[6]:									
Farming		26 112	30 107	29 296	34 438	(NA)	(NA)	(NA)	(NA)
Other		25 060	28 554	31 130	29 164	(NA)	(NA)	(NA)	(NA)
Average age of operator[6]	years	50.9	49.5	49.7	50.9	50.4	50.7	50.4	50.4
Total farm production expenses[7]	$1,000	2 211 823	(NA)	(NA)	1 096 587	676 628	(NA)	(NA)	(NA)
Selected farm production expenses[7]:									
Livestock and poultry purchased	$1,000	190 386	170 034	145 691	105 356	85 819	52 756	47 808	(NA)
Feed for livestock and poultry	$1,000	273 192	254 964	179 958	150 759	84 811	75 299	72 432	68 302
Commercial fertilizer[7]	$1,000	194 526	242 091	173 192	131 619	53 169	54 123	(NA)	(NA)
Petroleum products	$1,000	120 621	181 320	97 893	67 528	39 971	41 977	39 948	36 601
Hired farm labor	$1,000	242 445	186 312	136 868	92 002	70 564	59 667	51 120	40 744
Interest expense[8]	$1,000	197 966	273 637	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Agricultural chemicals[7]	$1,000	119 993	114 159	67 558	39 559	22 383	(NA)	(NA)	(NA)
Livestock and poultry:									
Cattle and calves inventory	farms	19 436	25 657	25 293	30 865	36 040	54 150	67 435	96 741
	number	1 167 352	1 345 793	1 248 623	1 430 262	1 441 556	1 724 957	1 609 891	1 839 326
Beef cows	farms	8 163	10 810	10 575	12 839	(NA)	13 109	(NA)	(NA)
	number	110 156	140 969	139 275	195 130	159 924	132 015	89 852	78 457
Milk cows	farms	6 499	9 142	9 867	12 533	17 082	33 176	50 587	82 534
	number	344 550	398 211	377 999	392 888	413 907	573 545	612 233	777 643
Cattle and calves sold	farms	18 164	22 849	23 057	27 566	33 746	43 606	60 555	78 804
	number	653 806	642 060	675 773	653 930	759 959	879 826	743 314	746 515
Hogs and pigs inventory	farms	5 577	7 433	8 572	8 508	10 965	18 266	34 257	43 256
	number	1 227 069	1 064 073	931 240	619 910	699 478	716 052	968 455	788 619
Hogs and pigs sold	farms	5 603	7 194	8 065	7 811	10 636	15 683	25 593	31 311
	number	2 215 872	1 734 236	1 392 522	1 013 950	1 109 623	1 167 122	1 066 709	811 203
Chickens 3 months old or older inventory[9]	farms	3 550	5 788	6 146	8 303	9 477	23 216	49 313	85 240
	number	8 429 623	7 572 106	7 011 186	7 609 220	7 311 189	7 773 877	8 374 899	10 773 064
Broilers and other meat-type chickens sold	farms	495	636	493	459	205	122	257	640
	number	702 431	601 403	496 339	362 042	737 869	1 560 202	2 670 676	3 587 759

See footnotes at end of table.

Table 1. **Historical Highlights: 1987 and Earlier Census Years**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All farms		1987	1982	1978	1974	1969	1964	1959	1954
Selected crops harvested:									
Corn for grain or seed	farms	25 140	30 792	33 676	35 690	32 957	51 051	68 700	84 191
	acres	1 982 401	2 568 541	2 337 985	1 895 841	1 190 087	1 500 291	1 668 564	1 532 822
	bushels	189 779 819	256 473 754	184 697 984	112 269 703	92 288 328	87 838 628	88 560 174	70 867 260
Wheat for grain	farms	10 327	15 416	13 966	29 897	32 513	48 253	63 541	(NA)
	acres	356 073	513 445	370 398	810 197	540 778	929 907	1 075 915	998 015
	bushels	16 465 394	20 764 229	14 669 977	31 891 280	21 102 066	37 094 513	34 597 340	28 772 928
Oats for grain	farms	11 392	16 627	17 875	(NA)	(NA)	39 069	54 151	76 922
	acres	259 445	398 618	395 419	(NA)	(NA)	638 075	852 467	1 210 580
	bushels	14 634 547	24 770 648	22 618 711	(NA)	(NA)	32 931 429	36 282 364	44 951 853
Soybeans for beans	farms	12 734	14 905	13 914	12 289	12 471	11 396	8 955	7 118
	acres	1 023 599	1 122 617	888 449	570 683	472 153	315 900	224 511	139 612
	bushels	36 267 622	34 307 197	21 174 856	12 080 412	11 054 019	7 090 057	5 417 149	2 723 650
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc (see text)	farms	25 983	28 522	32 863	33 374	39 049	(NA)	(NA)	(NA)
	acres	1 436 630	1 365 495	1 561 452	1 359 191	1 375 505	1 827 892	1 882 742	2 315 471
	tons, dry	3 323 175	3 476 731	3 599 083	2 956 963	3 165 340	3 647 477	3 477 938	3 624 526
Land in orchards	farms	3 791	4 280	4 722	4 746	5 913	8 999	13 081	18 299
	acres	161 567	165 238	169 413	167 747	191 048	198 960	201 197	192 580

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[1] Data are based on a sample of farms.
[2] Data for 1974 and prior years include the value of forest products sold.
[3] Data for 1982 and prior years exclude abnormal farms.
[4] Data for 1959 are for $10,000 or more.
[5] Data for 1954 are for $25,000 or more.
[6] Data for 1974 apply only to individual or family operations (sole proprietorship) and partnerships; see text.
[7] Data for 1987 include cost of custom applications; data for agricultural chemicals exclude the cost of lime for 1987 and 1982.
[8] Data for 1982 do not include imputation for item nonresponse.
[9] Data for 1964 and prior years are for chickens 4 months old or older.

Table 2. **Market Value of Agricultural Products Sold: 1987, 1982, and 1978**

[For meaning of abbreviations and symbols, see introductory text]

Item		1987	Percent of total in 1987	1982	1978
Total sales (see text)	farms	51 172	100.0	58 661	60 426
	$1,000	2 545 078	100.0	2 588 317	1 914 314
Average per farm	dollars	43 738	(X)	44 123	31 680
Value of sales[1]:					
Less than $1,000 (see text)	farms	6 578	12.9	6 565	5 736
	$1,000	2 037	.1	2 116	2 289
$1,000 to $2,499	farms	6 092	11.9	7 153	8 546
	$1,000	10 125	.4	11 962	14 306
$2,500 to $4,999	farms	6 774	13.2	7 751	9 125
	$1,000	24 414	1.0	28 107	32 994
$5,000 to $9,999	farms	7 548	14.8	8 741	9 652
	$1,000	53 904	2.1	62 566	68 740
$10,000 to $19,999	farms	6 617	12.9	8 043	8 486
	$1,000	93 997	3.7	114 318	120 188
$20,000 to $24,999	farms	1 843	3.6	2 292	2 365
	$1,000	41 088	1.6	51 257	52 493
$25,000 to $39,999	farms	3 525	6.9	4 244	4 571
	$1,000	111 711	4.4	134 346	145 028
$40,000 to $49,999	farms	1 477	2.9	1 899	2 073
	$1,000	65 648	2.6	84 682	92 547
$50,000 to $99,999	farms	4 322	8.4	5 334	5 544
	$1,000	310 133	12.2	382 077	390 758
$100,000 to $249,999	farms	4 339	8.5	4 706	3 332
	$1,000	669 705	26.3	720 338	498 717
$250,000 to $499,999	farms	1 469	2.9	1 434	712
	$1,000	496 045	19.5	485 301	233 988
$500,000 to $999,999[2]	farms	433	.8	480	258
	$1,000	292 439	11.5	508 151	259 319
$1,000,000 or more	farms	155	.3	-	-
	$1,000	373 832	14.7	-	-
Sales by commodity or commodity group:					
Crops, including nursery and greenhouse crops	farms	36 875	72.1	44 046	47 613
	$1,000	1 272 802	50.0	1 364 665	997 743
Grains	farms	25 844	50.5	34 004	35 639
	$1,000	578 018	22.7	795 210	510 131
Corn for grain	farms	19 198	37.5	23 671	(NA)
	$1,000	284 853	11.2	438 711	(NA)
Wheat	farms	10 011	19.6	14 983	(NA)
	$1,000	42 448	1.7	64 971	(NA)
Soybeans	farms	12 670	24.8	14 791	(NA)
	$1,000	172 993	6.8	174 328	(NA)
Sorghum for grain	farms	16	(Z)	16	(NA)
	$1,000	40	(Z)	64	(NA)
Barley	farms	658	1.3	(NA)	(NA)
	$1,000	2 527	.1	(NA)	(NA)
Oats	farms	6 373	12.5	8 904	(NA)
	$1,000	12 767	.5	20 227	(NA)
Other grains[3]	farms	4 687	9.2	6 723	(NA)
	$1,000	62 389	2.5	96 908	(NA)
Cotton and cottonseed	farms	-	-	-	-
	$1,000	-	-	-	-
Tobacco	farms	-	-	-	-
	$1,000	-	-	-	-
Hay, silage, and field seeds	farms	11 876	23.2	11 529	15 023
	$1,000	53 956	2.1	47 701	53 225
Vegetables, sweet corn, and melons	farms	3 267	6.4	3 630	3 788
	$1,000	136 925	5.4	115 525	97 077
Fruits, nuts, and berries	farms	3 928	7.7	4 370	4 873
	$1,000	163 847	6.4	162 143	161 387
Nursery and greenhouse crops	farms	1 543	3.0	1 368	1 444
	$1,000	215 912	8.5	139 682	103 587
Other crops	farms	2 007	3.9	2 015	2 143
	$1,000	124 146	4.9	104 404	72 336
Livestock, poultry, and their products	farms	25 616	50.1	30 755	30 955
	$1,000	1 272 276	50.0	1 223 652	916 571
Poultry and poultry products	farms	2 063	4.0	3 100	3 053
	$1,000	116 432	4.6	101 375	78 304
Dairy products	farms	5 951	11.6	7 569	8 252
	$1,000	568 249	22.3	613 059	431 385
Cattle and calves	farms	18 164	35.5	22 849	23 057
	$1,000	320 270	12.6	295 881	260 614
Hogs and pigs	farms	5 603	10.9	7 194	8 065
	$1,000	226 148	8.9	182 784	124 746
Sheep, lambs, and wool	farms	2 072	4.0	2 308	1 931
	$1,000	5 632	.2	5 207	4 693
Other livestock and livestock products (see text)	farms	3 945	7.7	3 692	3 248
	$1,000	35 546	1.4	25 386	16 829

[1] Data for 1982 and 1978 exclude abnormal farms.
[2] Data for 1982 and 1978 are for $500,000 or more.
[3] Data for 1982 include barley.

Table 3. **Farm Production Expenses: 1987, 1982, and 1978**

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Item		1987 Farms	1987 Expenses ($1,000)	1982	1978
Total farm production expenses	farms	51 175	(X)	(NA)	(NA)
	$1,000	(X)	2 211 823	(NA)	(NA)
Average per farm	dollars	(X)	43 221	(NA)	(NA)
Farms with expenses of—					
$1 to $4,999		13 881	40 428	(NA)	(NA)
$5,000 to $9,999		10 676	76 906	(NA)	(NA)
$10,000 to $24,999		11 620	182 470	(NA)	(NA)
$25,000 to $49,999		5 503	195 398	(NA)	(NA)
$50,000 to $99,999		4 444	321 307	(NA)	(NA)
$100,000 to $249,999		3 606	556 228	(NA)	(NA)
$250,000 to $499,999		1 030	343 793	(NA)	(NA)
$500,000 or more		415	495 292	(NA)	(NA)
Livestock and poultry purchased	farms	15 088	(X)	16 849	18 301
	$1,000	(X)	190 386	170 034	145 691
	percent of total	(X)	8.6	(NA)	(NA)
Farms with expenses of—					
$1 to $999		5 640	2 317	8 078	9 449
$1,000 to $4,999		5 186	12 284	5 016	5 104
$5,000 to $9,999		1 703	11 679	1 395	1 439
$10,000 to $24,999[1]		1 400	21 388	1 748	2 309
$25,000 to $49,999		574	19 838		-
$50,000 to $99,999		299	20 331	612	-
$100,000 to $249,999		180	26 167		-
$250,000 or more		106	76 383		-
Feed for livestock and poultry	farms	23 220	(X)	27 182	28 674
	$1,000	(X)	273 192	254 964	179 958
	percent of total	(X)	12.4	(NA)	(NA)
Farms with expenses of—					
$1 to $999		9 130	3 584	11 342	13 989
$1,000 to $4,999		7 307	15 744	8 307	8 197
$5,000 to $9,999		1 949	13 626	2 491	2 825
$10,000 to $24,999[1]		2 580	41 148	4 612	3 663
$25,000 to $49,999		1 309	44 997		-
$50,000 to $79,999		473	29 176		-
$80,000 to $99,999		123	10 851	430	-
$100,000 or more		349	114 067		-
Commercially mixed formula feeds	farms	11 999	(X)	14 434	13 999
	$1,000	(X)	153 493	153 703	106 272
	percent of total	(X)	6.9	(NA)	(NA)
Farms with expenses of—					
$1 to $999		4 466	1 602	4 933	5 288
$1,000 to $4,999		3 441	8 073	4 766	5 111
$5,000 to $9,999		1 474	10 393	1 919	1 767
$10,000 to $24,999[1]		1 591	24 863	2 336	1 833
$25,000 to $49,999		625	20 987		-
$50,000 to $79,999		201	12 543	480	-
$80,000 or more		199	75 032		-
Seeds, bulbs, plants, and trees	farms	35 507	(X)	41 846	45 648
	$1,000	(X)	111 895	105 161	79 794
	percent of total	(X)	5.1	(NA)	(NA)
Farms with expenses of—					
$1 to $499		12 276	2 780	15 318	19 747
$500 to $999		6 422	4 498	7 354	8 845
$1,000 to $4,999		11 636	26 153	14 189	13 824
$5,000 to $9,999		2 947	19 920	3 207	2 182
$10,000 to $19,999		1 532	20 532	1 229	750
$20,000 to $24,999		210	4 559	549	300
$25,000 or more		484	33 452		
Commercial fertilizer[2]	farms	37 298	(X)	43 009	48 523
	$1,000	(X)	194 526	242 091	173 192
	percent of total	(X)	8.8	(NA)	(NA)
Farms with expenses of—					
$1 to $499		9 121	2 275	10 175	12 440
$500 to $999		5 514	3 847	6 537	8 507
$1,000 to $4,999		13 251	30 565	14 925	18 509
$5,000 to $9,999		4 002	28 018	4 867	4 699
$10,000 to $24,999[1]		3 755	56 915	4 896	4 368
$25,000 to $29,999		463	12 391		-
$30,000 to $49,999		802	29 830	1 609	-
$50,000 to $99,999		328	21 496		-
$100,000 or more		62	9 189		-
Agricultural chemicals[2]	farms	35 505	(X)	37 506	43 904
	$1,000	(X)	119 993	114 159	67 556
	percent of total	(X)	5.4	(NA)	(NA)
Farms with expenses of—					
$1 to $499		12 482	2 698	13 632	21 761
$500 to $999		5 741	3 967	5 964	7 830
$1,000 to $4,999		11 452	25 677	12 212	11 257
$5,000 to $9,999		2 976	20 437	3 116	1 888
$10,000 to $24,999		2 124	31 555	2 582	1 168
$25,000 to $49,999		513	16 942		
$50,000 or more		217	18 716		
Petroleum products	farms	48 558	(X)	58 375	60 113
	$1,000	(X)	120 621	181 320	97 893
	percent of total	(X)	5.5	(NA)	(NA)
Farms with expenses of—					
$1 to $999		26 607	10 472	29 302	37 690
$1,000 to $4,999		15 706	35 646	19 480	18 346
$5,000 to $9,999		3 861	26 651	5 395	2 879
$10,000 to $24,999[1]		2 002	29 138	3 901	1 198
$25,000 to $39,999		233	7 040		-
$40,000 to $49,999		52	2 278	297	-
$50,000 or more		97	9 395		-

See footnotes at end of table.

Table 3. **Farm Production Expenses: 1987, 1982, and 1978**—Con.

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Item	1987 Farms	1987 Expenses ($1,000)	1982	1978
Total farm production expenses—Con.				
Electricity .... farms	33 590	(X)	42 594	42 315
$1,000	(X)	47 789	45 697	29 823
percent of total	(X)	2.2	(NA)	(NA)
Farms with expenses of—				
$1 to $499	21 408	4 392	24 544	28 705
$500 to $999	6 880	4 630	7 278	6 315
$1,000 to $1,999	4 382	5 936	4 687	3 973
$2,000 to $4,999	4 000	12 237	4 534	2 666
$5,000 to $9,999	1 369	9 048	1 551	656
$10,000 to $24,999	448	6 343		
$25,000 or more	93	5 203		
Hired farm labor .... farms	18 134	(X)	21 564	22 285
$1,000	(X)	242 445	186 312	136 868
percent of total	(X)	11.0	(NA)	(NA)
Farms with expenses of—				
$1 to $999	7 940	2 696	8 424	10 598
$1,000 to $4,999	4 237	9 892	7 196	6 701
$5,000 to $9,999	1 513	10 322	2 127	1 985
$10,000 to $24,999[1]	2 231	35 285	3 171	3 001
$25,000 to $49,999	1 223	41 971		-
$50,000 to $79,999	497	31 098	646	-
$80,000 to $99,999	136	12 017		-
$100,000 or more	357	99 164		-
Contract labor .... farms	4 652	(X)	2 510	3 235
$1,000	(X)	27 733	14 445	12 412
percent of total	(X)	1.3	(NA)	(NA)
Farms with expenses of—				
$1 to $999	2 093	859	1 084	1 553
$1,000 to $4,999	1 582	3 732	908	1 232
$5,000 to $9,999	440	2 817	234	206
$10,000 to $24,999	366	5 294	264	244
$25,000 to $49,999	96	3 347		
$50,000 or more	73	11 684		
Repair and maintenance .... farms	43 440	(X)	(NA)	(NA)
$1,000	(X)	152 652	(NA)	(NA)
percent of total	(X)	6.9	(NA)	(NA)
Farms with expenses of—				
$1 to $999	18 473	7 738	(NA)	(NA)
$1,000 to $4,999	16 927	37 738	(NA)	(NA)
$5,000 to $9,999	4 225	28 496	(NA)	(NA)
$10,000 to $24,999	3 046	44 442	(NA)	(NA)
$25,000 to $49,999	599	19 604	(NA)	(NA)
$50,000 or more	170	14 635	(NA)	(NA)
Customwork, machine hire, and rental of machinery and equipment[3] .... farms	17 732	(X)	20 674	26 193
$1,000	(X)	34 043	30 403	26 870
percent of total	(X)	1.5	(NA)	(NA)
Farms with expenses of—				
$1 to $999	10 922	3 984	13 158	18 856
$1,000 to $4,999	5 482	11 624	6 233	6 599
$5,000 to $9,999	791	5 345	878	518
$10,000 to $24,999	417	6 200	405	220
$25,000 to $49,999	86	2 781		
$50,000 or more	34	4 109		
Interest[4] .... farms	25 197	(X)	27 193	(NA)
$1,000	(X)	197 966	273 637	(NA)
percent of total	(X)	9.0	(NA)	(NA)
Farms with expenses of—				
$1 to $999	6 055	2 712	6 547	(NA)
$1,000 to $4,999	10 112	25 657	9 752	(NA)
$5,000 to $9,999	3 070	27 416	4 093	(NA)
$10,000 to $24,999	3 287	49 690	6 801	(NA)
$25,000 to $49,999	1 177	39 637		
$50,000 to $99,999	481	32 153		
$100,000 or more	115	20 502		
Interest paid on debt:				
Secured by real estate	19 206	143 627	(NA)	(NA)
Not secured by real estate	13 182	54 339	(NA)	(NA)
Cash rent .... farms	15 070	(X)	(NA)	(NA)
$1,000	(X)	101 910	(NA)	(NA)
percent of total	(X)	4.6	(NA)	(NA)
Farms with expenses of—				
$1 to $499	2 465	610	(NA)	(NA)
$500 to $999	1 971	1 368	(NA)	(NA)
$1,000 to $4,999	5 888	14 362	(NA)	(NA)
$5,000 to $9,999	2 078	14 217	(NA)	(NA)
$10,000 to $24,999	1 736	26 759	(NA)	(NA)
$25,000 to $49,999	660	22 295	(NA)	(NA)
$50,000 or more	270	22 299	(NA)	(NA)
Property taxes paid .... farms	48 191	(X)	(NA)	(NA)
$1,000	(X)	157 280	(NA)	(NA)
percent of total	(X)	7.1	(NA)	(NA)
Farms with expenses of—				
$1 to $499	3 957	977	(NA)	(NA)
$500 to $999	6 221	4 722	(NA)	(NA)
$1,000 to $4,999	29 888	68 832	(NA)	(NA)
$5,000 to $9,999	5 366	36 377	(NA)	(NA)
$10,000 to $24,999	2 444	34 110	(NA)	(NA)
$25,000 or more	315	12 263	(NA)	(NA)

See footnotes at end of table.

Table 3. **Farm Production Expenses: 1987, 1982, and 1978**—Con.

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Item		1987			
		Farms	Expenses ($1,000)	1982	1978
Total farm production expenses—Con.					
All other farm production expenses	farms	46 587	(X)	(NA)	(NA)
	$1,000	(X)	239 391	(NA)	(NA)
	percent of total	(X)	10.8	(NA)	(NA)
Farms with expenses of—					
$1 to $999		22 487	9 433	(NA)	(NA)
$1,000 to $4,999		15 824	33 573	(NA)	(NA)
$5,000 to $9,999		3 597	24 381	(NA)	(NA)
$10,000 to $24,999		2 899	43 695	(NA)	(NA)
$25,000 to $49,999		1 117	37 585	(NA)	(NA)
$50,000 to $99,999		449	29 629	(NA)	(NA)
$100,000 or more		214	61 095	(NA)	(NA)

[1] Data for 1978 are for $10,000 or more.
[2] Data for 1987 include cost of custom applications; data for agricultural chemicals exclude the cost of lime for 1987 and 1982.
[3] Data for 1987 exclude cost of custom applications for commercial fertilizer and agricultural chemicals.
[4] Data for 1982 do not include imputation for item nonresponse.

Table 4. **Net Cash Return From Agricultural Sales: 1987**

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Item		All farms	Farms with sales of $10,000 or more	Farms with sales of less than $10,000
Net cash return from agricultural sales for the farm unit (see text)	farms	51 175	24 140	27 035
	$1,000	319 953	399 363	-79 410
Average per farm	dollars	6 252	16 544	-2 937
Farms with net gains[1]	number	21 623	16 210	5 413
	$1,000	507 956	498 843	9 113
Average per farm	dollars	23 491	30 774	1 683
Gain of—				
Less than $1,000		3 082	859	2 223
$1,000 to $4,999		5 939	2 971	2 968
$5,000 to $9,999		3 296	3 074	222
$10,000 to $24,999		3 941	3 941	-
$25,000 to $49,999		2 672	2 672	-
$50,000 or more		2 693	2 693	-
Farms with net losses	number	29 552	7 930	21 622
	$1,000	188 003	99 480	88 523
Average per farm	dollars	6 362	12 545	4 094
Loss of—				
Less than $1,000		4 347	697	3 650
$1,000 to $4,999		14 415	2 275	12 140
$5,000 to $9,999		6 124	1 870	4 254
$10,000 to $24,999		3 620	2 181	1 439
$25,000 to $49,999		755	628	127
$50,000 or more		291	279	12

[1] Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than $1,000.

Table 5. **Government Payments and Other Farm-Related Income: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms		Farms with sales of $10,000 or more	
	Farms	Value ($1,000)	Farms	Value ($1,000)
Government payments 1987	19 666	223 470	13 858	209 335
Average per farm[1] 1987	(X)	11 363	(X)	15 106
Farms with receipts of—				
$1 to $999	2 963	1 511	959	533
$1,000 to $4,999	7 383	19 513	4 276	12 122
$5,000 to $9,999	3 647	25 958	3 067	22 078
$10,000 to $24,999	3 367	52 562	3 258	51 068
$25,000 to $49,999	1 424	49 226	1 418	(D)
$50,000 or more	882	74 699	880	(D)
Amount received in cash 1987	17 180	110 533	12 491	104 237
Value of certificates received 1987	17 520	112 937	12 737	105 098
Other farm-related income, gross before taxes and expenses[2] 1987	11 845	37 093	6 394	26 574
Average per farm[1] 1987	(X)	3 132	(X)	4 156
Farms with receipts of—				
$1 to $999	4 855	1 865	2 221	836
$1,000 to $4,999	4 953	11 064	2 665	6 031
$5,000 to $9,999	1 228	8 196	794	5 367
$10,000 to $24,999	662	9 483	570	8 235
$25,000 to $49,999	128	4 364	126	(D)
$50,000 or more	19	2 121	18	(D)
Customwork and other agricultural services[3] 1987	4 489	14 787	3 002	12 271
1982	4 371	12 300	3 362	11 370
Average per farm[1] 1987	(X)	3 294	(X)	4 088
1982	(X)	2 814	(X)	3 382
1987 farms with receipts of—				
$1 to $999	1 724	683	984	406
$1,000 to $4,999	1 845	4 055	1 249	2 826
$5,000 to $9,999	564	3 842	413	2 834
$10,000 to $24,999	306	4 520	306	4 520
$25,000 to $49,999	50	1 685	50	1 685
$50,000 or more	-	-	-	-
Rental of farmland 1987	3 973	10 076	1 206	4 917
Average per farm[1] 1987	(X)	2 536	(X)	4 077
Farms with receipts of—				
$1 to $999	1 517	673	273	132
$1,000 to $4,999	2 038	4 605	705	1 663
$5,000 to $9,999	248	1 594	119	775
$10,000 to $24,999	149	2 070	90	(D)
$25,000 or more	21	1 134	19	(D)
Sales of forest products and Christmas trees 1987	1 731	5 537	861	3 793
Average per farm[1] 1987	(X)	3 199	(X)	4 405
Farms with receipts of—				
$1 to $999	773	299	258	108
$1,000 to $4,999	643	1 479	376	864
$5,000 to $9,999	239	1 568	161	1 051
$10,000 to $24,999	57	721	48	(D)
$25,000 or more	19	1 469	18	(D)
Other farm-related income sources 1987	3 533	6 693	2 590	5 593
Average per farm[1] 1987	(X)	1 895	(X)	2 160
Farms with receipts of—				
$1 to $999	2 304	638	1 612	486
$1,000 to $4,999	867	1 844	694	1 413
$5,000 to $9,999	223	1 503	145	986
$10,000 to $24,999	102	1 460	102	1 460
$25,000 or more	37	1 249	37	1 249

[1] Data are in whole dollars.

[2] Data are based on a sample of farms.

[3] Data for 1987 are based on a sample of farms; data for 1982 are nonsample and exclude abnormals from farms with sales of $10,000 or more.

Table 6. **Commodity Credit Corporation Loans: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

CCC loans	1987		1982	
	Farms	Value ($1,000)	Farms	Value ($1,000)
Total	**7 081**	**151 146**	**3 791**	**136 699**
Average per farm[1]	(X)	21 345	(X)	36 059
Farms with loans of—				
$1 to $999	421	233	341	133
$1,000 to $4,999	1 885	5 179	610	1 740
$5,000 to $9,999	1 315	9 281	551	4 014
$10,000 to $19,999	1 376	19 546	682	9 444
$20,000 to $24,999	362	7 986	1 607	121 368
$25,000 to $49,999	941	32 966		
$50,000 or more	781	75 954		
Corn	6 720	135 370	(NA)	(NA)
Average per farm[1]	(X)	20 144	(X)	(NA)
Farms with loans of—				
$1 to $999	374	205	(NA)	(NA)
$1,000 to $9,999	3 093	14 007	(NA)	(NA)
$10,000 to $24,999	1 688	26 602	(NA)	(NA)
$25,000 or more	1 565	94 555	(NA)	(NA)
Wheat	522	2 150	505	3 166
Average per farm[1]	(X)	4 119	(X)	6 270
Farms with loans of—				
$1 to $999	187	86	(NA)	(NA)
$1,000 to $9,999	287	931	(NA)	(NA)
$10,000 to $24,999	40	591	(NA)	(NA)
$25,000 or more	8	542	(NA)	(NA)
Soybeans	542	11 105	(NA)	(NA)
Average per farm[1]	(X)	20 489	(X)	(NA)
Farms with loans of—				
$1 to $999	21	12	(NA)	(NA)
$1,000 to $9,999	209	1 054	(NA)	(NA)
$10,000 to $24,999	168	2 758	(NA)	(NA)
$25,000 or more	144	7 282	(NA)	(NA)
Sorghum, barley, and oats	177	351	(NA)	(NA)
Average per farm[1]	(X)	1 981	(X)	(NA)
Farms with loans of—				
$1 to $999	95	40	(NA)	(NA)
$1,000 to $9,999	77	207	(NA)	(NA)
$10,000 to $24,999	4	(D)	(NA)	(NA)
$25,000 or more	1	(D)	(NA)	(NA)
Cotton	-	-	-	-
Average per farm[1]	(X)	-	(X)	-
Farms with loans of—				
$1 to $999	-	-	(NA)	(NA)
$1,000 to $9,999	-	-	(NA)	(NA)
$10,000 to $24,999	-	-	(NA)	(NA)
$25,000 or more	-	-	(NA)	(NA)
Peanuts, rye, rice, tobacco, and honey	169	2 170	(NA)	(NA)
Average per farm[1]	(X)	12 840	(X)	(X)
Farms with loans of—				
$1 to $999	34	21	(NA)	(NA)
$1,000 to $9,999	89	377	(NA)	(NA)
$10,000 to $24,999	19	313	(NA)	(NA)
$25,000 or more	27	1 459	(NA)	(NA)

[1] Data are in whole dollars.

Table 7. **Land Use and Acres Diverted: 1987, 1982, and 1978**

[For meaning of abbreviations and symbols, see introductory text]

All farms		1987	Percent of total in 1987	1982	1978
Farms	number	51 172	100.0	58 661	60 426
Land in farms	acres	10 316 861	100.0	10 942 172	11 038 419
Total cropland	farms	48 653	95.1	56 321	59 080
	acres	8 181 320	79.3	8 458 021	8 382 317
Harvested cropland	farms	46 017	89.9	53 738	57 294
	acres	6 172 468	59.8	7 255 909	6 774 229
Farms by acres harvested:					
1 to 49 acres		21 716	42.4	24 114	25 865
1 to 9 acres		5 544	10.8	5 962	4 775
10 to 19 acres		5 616	11.0	6 146	6 449
20 to 29 acres		4 254	8.3	4 785	5 669
30 to 49 acres		6 302	12.3	7 221	8 972
50 to 99 acres		8 682	17.0	10 561	12 146
100 to 199 acres		6 866	13.4	8 685	9 549
200 to 499 acres		6 066	11.9	7 476	7 626
500 to 999 acres		2 075	4.1	2 269	1 726
1,000 acres or more		590	1.2	633	382
1,000 to 1,999 acres		518	1.0	543	342
2,000 acres or more		72	.1	90	40
Cropland used only for pasture or grazing	farms	16 096	31.5	18 410	19 744
	acres	518 589	5.0	566 151	698 168
Other cropland	farms	27 660	54.1	20 911	28 276
	acres	1 490 263	14.4	635 961	909 920
Cropland in cover crops, legumes, and soil-improvement grasses, not harvested and not pastured	farms	10 093	19.7	5 475	8 793
	acres	440 552	4.3	132 931	206 580
Cropland on which all crops failed	farms	3 746	7.3	2 802	3 535
	acres	90 181	.9	55 721	72 314
Cropland in cultivated summer fallow	farms	5 130	10.0	5 101	7 496
	acres	139 260	1.3	113 569	173 923
Cropland idle	farms	17 994	35.2	12 862	16 918
	acres	820 270	8.0	333 740	457 103
Total woodland	farms	27 107	53.0	31 636	33 401
	acres	1 253 543	12.2	1 430 370	1 501 983
Woodland pastured	farms	6 101	11.9	7 410	8 436
	acres	229 240	2.2	269 311	332 498
Woodland not pastured	farms	23 871	46.6	27 495	28 276
	acres	1 024 303	9.9	1 161 059	1 169 485
Pastureland and rangeland other than cropland and woodland pastured	farms	6 852	13.4	6 941	6 986
	acres	230 074	2.2	253 471	320 464
Land in house lots, ponds, roads, wasteland, etc.	farms	37 216	72.7	44 187	45 175
	acres	651 924	6.3	800 310	833 655
Cropland under federal acreage reduction programs:					
Annual commodity acreage adjustment programs	farms	16 012	(X)	4 488	12 671
	acres	751 325	(X)	85 139	245 288
Conservation reserve program	farms	851	(X)	(NA)	(NA)
	acres	38 874	(X)	(NA)	(NA)

Table 8. Land in Farms, Harvested Cropland, and Irrigated Land, by Size of Farm: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

All farms	Farms		Land in farms (acres)		Harvested cropland (acres)		Irrigated land (acres)	
	1987	1982	1987	1982	1987	1982	1987	1982
Land in farms	51 172	58 661	10 316 861	10 942 172	6 172 468	7 255 909	314 953	285 983
Farms by size:								
1 to 9 acres	2 866	2 714	11 310	11 720	4 096	4 452	755	592
10 to 49 acres	12 174	14 300	341 440	400 101	154 522	201 906	5 853	4 814
50 to 69 acres	3 667	4 388	213 964	256 149	101 558	133 341	3 301	2 819
70 to 99 acres	6 467	7 712	528 075	629 467	250 634	340 989	6 713	5 463
100 to 139 acres	5 478	6 398	639 538	747 096	320 584	424 929	8 934	5 830
140 to 179 acres	4 167	4 838	655 973	762 308	333 277	437 686	8 756	8 392
180 to 219 acres	2 833	3 508	558 251	692 065	299 256	420 054	7 705	10 182
220 to 259 acres	2 222	2 671	528 044	633 813	295 707	399 227	8 148	8 241
260 to 499 acres	6 274	7 360	2 227 223	2 605 043	1 332 624	1 760 011	44 615	40 729
500 to 999 acres	3 667	3 672	2 494 662	2 466 606	1 654 350	1 821 398	102 269	85 333
1,000 to 1,999 acres	1 134	924	1 477 808	1 196 276	1 007 203	913 808	70 993	61 456
2,000 acres or more	223	176	640 573	535 528	418 657	398 108	46 911	52 132
5,000 acres or more	8	13	60 928	100 120	37 051	71 127	15 658	19 630
Farms with harvested cropland	46 017	53 738	10 079 078	10 704 731	6 172 468	7 255 909	314 698	285 965
Farms by size:								
1 to 9 acres	1 253	1 372	6 228	6 968	4 096	4 452	745	585
10 to 49 acres	9 926	12 022	289 515	351 882	154 522	201 906	5 700	4 803
50 to 69 acres	3 364	4 050	196 569	236 605	101 558	133 341	3 301	2 819
70 to 99 acres	6 053	7 341	494 540	599 432	250 634	340 989	6 634	5 463
100 to 139 acres	5 253	6 171	613 673	720 991	320 584	424 929	8 927	5 830
140 to 179 acres	4 030	4 710	634 473	742 234	333 277	437 686	8 750	8 392
180 to 219 acres	2 769	3 431	545 655	676 832	299 256	420 054	7 705	10 182
220 to 259 acres	2 166	2 623	519 911	622 506	295 707	399 227	8 148	8 241
260 to 499 acres	6 183	7 283	2 196 098	2 576 788	1 332 624	1 760 011	44 615	40 729
500 to 999 acres	3 649	3 641	2 482 352	2 447 018	1 654 350	1 821 398	102 269	85 333
1,000 to 1,999 acres	1 126	919	1 467 831	1 189 547	1 007 203	913 808	70 993	61 456
2,000 acres or more	221	175	632 233	531 928	418 657	398 108	46 911	52 132
5,000 acres or more	7	13	54 938	100 120	37 051	71 127	15 658	19 630
Farms with irrigated land	3 755	3 179	1 202 332	1 043 485	756 212	738 758	314 953	285 983
Farms by size:								
1 to 9 acres	374	290	1 568	1 362	835	646	755	592
10 to 49 acres	631	678	21 581	17 404	8 572	7 774	5 853	4 814
50 to 69 acres	230	177	13 402	10 346	5 724	5 236	3 301	2 819
70 to 99 acres	306	240	25 105	19 791	11 970	9 990	6 713	5 463
100 to 139 acres	271	216	31 799	25 279	17 269	13 496	8 934	5 830
140 to 179 acres	198	189	31 439	30 031	16 123	17 479	8 756	8 392
180 to 219 acres	141	176	27 930	34 718	15 765	22 760	7 705	10 182
220 to 259 acres	137	120	32 672	28 509	18 212	19 237	8 148	8 241
260 to 499 acres	459	426	167 561	155 900	101 566	106 667	44 615	40 729
500 to 999 acres	527	433	370 967	301 927	243 910	226 917	102 269	85 333
1,000 to 1,999 acres	227	179	301 070	234 290	198 710	175 746	70 993	61 456
2,000 acres or more	54	53	177 238	183 928	117 556	132 590	46 911	52 132
5,000 acres or more	3	8	33 916	65 691	21 310	46 489	15 658	19 630

Table 9. Irrigation: 1987, 1982, and 1978

[For meaning of abbreviations and symbols, see introductory text]

Farms with irrigation		1987	1982	1978
Farms	number	3 755	3 179	3 157
Proportion of farms	percent	7.3	5.4	5.2
Irrigated land	acres	314 953	285 983	225 928
Average per farm	acres	84	90	72
Acres irrigated:				
1 to 9 acres	farms	1 495	1 209	1 220
	acres	4 441	3 719	4 033
10 to 49 acres	farms	938	814	844
	acres	22 448	19 482	19 216
50 to 99 acres	farms	484	389	418
	acres	33 777	26 593	29 214
100 to 199 acres	farms	399	402	375
	acres	54 797	54 954	49 847
Irrigated land—Con.				
Acres irrigated—Con.				
200 to 499 acres	farms	329	263	239
	acres	97 691	78 855	70 059
500 to 999 acres	farms	92	76	47
	acres	62 310	51 380	30 068
1,000 acres or more	farms	18	26	14
	acres	39 489	51 000	23 491
Irrigated land use:				
Harvested cropland	farms	3 684	3 150	3 101
	acres	312 073	284 047	222 666
Pastureland and other land	farms	167	93	(NA)
	acres	2 880	1 936	3 262
Land in irrigated farms	acres	1 202 332	1 043 485	897 976
Cropland	acres	983 933	827 897	695 807
Harvested cropland	acres	756 212	738 758	589 253

Table 10. Selected Characteristics of Irrigated and Nonirrigated Farms: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		All farms		Irrigated farms				Nonirrigated farms	
				Any land irrigated		All harvested cropland irrigated			
		1987	1982	1987	1982	1987	1982	1987	1982
Farms	number	51 172	58 661	3 755	3 179	1 420	1 042	47 417	55 482
Land in farms	acres	10 316 861	10 942 172	1 202 332	1 043 485	166 747	93 795	9 114 529	9 898 687
Value of land and buildings[1]:									
Average per farm	dollars	196 065	228 238	394 473	469 148	227 766	224 782	180 836	213 823
Average per acre	dollars	971	1 223	1 199	1 461	2 081	2 438	941	1 197
Irrigated land	acres	314 953	285 983	314 953	285 983	83 625	47 766	(X)	(X)
Land in farms according to use:									
Total cropland	farms	48 653	56 321	3 748	3 179	1 420	1 042	44 905	53 142
	acres	8 161 320	8 458 021	963 933	827 897	123 887	61 956	7 197 387	7 630 124
Harvested cropland	farms	46 017	53 738	3 722	3 173	1 420	1 042	42 295	50 565
	acres	6 172 468	7 255 909	756 212	738 758	82 390	47 032	5 416 256	6 517 151
Pastureland, excluding woodland pastured	farms	20 571	23 092	785	666	187	132	19 786	22 426
	acres	748 663	819 622	40 737	41 469	9 324	3 427	707 926	778 153
Land set aside in federal farm programs	farms	16 349	(NA)	1 188	(NA)	145	(NA)	15 161	(NA)
	acres	790 199	(NA)	117 891	(NA)	11 977	(NA)	672 308	(NA)
Owned and rented land in farms:									
Owned land in farms	farms	48 089	(NA)	3 532	(NA)	1 327	(NA)	44 557	(NA)
	acres	6 754 515	(NA)	773 818	(NA)	137 311	(NA)	5 980 697	(NA)
Rented or leased land in farms	farms	19 986	23 113	1 681	(NA)	323	(NA)	18 305	(NA)
	acres	3 562 346	3 536 271	428 514	(NA)	29 436	(NA)	3 133 832	(NA)
Market value of agricultural products sold	$1,000	2 545 078	2 588 317	641 181	528 380	185 854	102 676	1 903 897	2 059 937
Average per farm	dollars	49 736	44 123	170 754	166 209	130 883	98 537	40 152	37 128
Crops, including nursery and greenhouse crops	farms	36 875	44 046	3 594	3 082	1 373	1 005	33 281	40 964
	$1,000	1 272 802	1 364 665	507 381	417 773	182 185	100 214	765 421	946 892
Livestock, poultry, and their products	farms	25 616	30 755	913	854	141	112	24 703	29 901
	$1,000	1 272 276	1 223 652	133 800	110 607	3 669	2 462	1 138 476	1 113 045
Total farm production expenses[1]	$1,000	2 211 823	(NA)	532 646	(NA)	142 897	(NA)	1 679 177	(NA)
Average per farm	dollars	43 221	(NA)	146 010	(NA)	102 582	(NA)	35 331	(NA)
Livestock and poultry purchased	farms	15 088	16 849	611	(NA)	99	(NA)	14 477	(NA)
	$1,000	190 386	170 034	25 554	(NA)	723	(NA)	164 831	(NA)
Feed for livestock and poultry	farms	23 220	27 182	887	868	136	143	22 333	26 314
	$1,000	273 192	254 964	36 136	28 232	1 084	941	237 056	226 732
Seeds, bulbs, plants, and trees	farms	35 507	41 846	2 903	2 580	932	710	32 604	39 266
	$1,000	111 895	105 161	38 028	27 061	13 271	5 327	73 868	78 100
Commercial fertilizer[2]	farms	37 298	43 009	3 398	3 050	1 202	885	33 900	39 959
	$1,000	194 526	242 091	34 541	36 788	5 398	3 223	159 985	205 302
Agricultural chemicals[2]	farms	35 505	37 506	3 411	3 040	1 228	892	32 094	34 466
	$1,000	119 993	114 159	33 450	27 362	6 244	3 250	86 543	86 797
Petroleum products	farms	48 558	58 375	3 577	(NA)	1 347	(NA)	44 981	(NA)
	$1,000	120 621	181 320	28 423	(NA)	10 355	(NA)	92 198	(NA)
Electricity	farms	38 590	42 594	3 272	(NA)	1 185	(NA)	35 318	(NA)
	$1,000	47 789	45 697	11 210	(NA)	3 838	(NA)	36 579	(NA)
Hired farm labor	farms	18 134	21 564	2 401	2 292	785	670	15 733	19 272
	$1,000	242 445	186 312	118 470	77 584	44 395	20 475	123 974	108 728
Contract labor	farms	4 652	2 510	716	347	255	85	3 936	2 163
	$1,000	27 733	14 445	12 332	7 000	3 490	1 438	15 401	7 445
Repairs and maintenance	farms	43 440	(NA)	3 386	(NA)	1 263	(NA)	40 054	(NA)
	$1,000	152 652	(NA)	31 343	(NA)	7 955	(NA)	121 309	(NA)
Customwork, machine hire, and rental of machinery and equipment[3]	farms	17 732	20 674	1 489	(NA)	362	(NA)	16 243	(NA)
	$1,000	34 043	30 403	8 762	(NA)	1 582	(NA)	25 281	(NA)
Interest[4]	farms	25 197	27 193	2 358	2 144	758	531	22 839	25 049
	$1,000	197 966	273 637	38 322	51 146	7 401	6 473	159 644	222 491
Cash rent paid for land and buildings	farms	15 070	(NA)	1 394	(NA)	253	(NA)	13 676	(NA)
	$1,000	101 910	(NA)	19 251	(NA)	2 341	(NA)	82 659	(NA)
Property taxes paid	farms	48 191	(NA)	3 434	(NA)	1 282	(NA)	44 757	(NA)
	$1,000	157 280	(NA)	20 826	(NA)	5 162	(NA)	136 454	(NA)
All other farm production expenses	farms	46 587	(NA)	3 543	(NA)	1 331	(NA)	43 044	(NA)
	$1,000	239 391	(NA)	75 997	(NA)	29 658	(NA)	163 393	(NA)
Commodity Credit Corporation loans	farms	7 081	3 791	735	(NA)	80	(NA)	6 346	(NA)
	$1,000	151 146	136 699	33 026	(NA)	2 470	(NA)	118 120	(NA)
Government payments received	farms	19 666	(NA)	1 348	(NA)	181	(NA)	18 318	(NA)
	$1,000	223 470	(NA)	35 550	(NA)	3 581	(NA)	187 919	(NA)
Other farm-related income[1]	farms	11 845	(NA)	971	(NA)	252	(NA)	10 874	(NA)
	$1,000	37 093	(NA)	5 605	(NA)	1 285	(NA)	31 487	(NA)
Estimated market value of all machinery and equipment[1]	farms	51 085	58 549	3 648	3 312	1 393	1 099	47 437	55 237
	$1,000	2 347 585	2 676 343	365 337	328 438	82 565	55 567	1 982 248	2 347 906
Average per farm	dollars	45 954	45 711	100 147	99 166	59 271	50 561	41 787	42 506
Inventory of livestock:									
Cattle and calves	farms	19 436	25 657	602	598	69	61	18 834	25 059
	number	1 163 352	1 345 793	86 451	82 629	2 628	1 847	1 076 901	1 263 164
Milk cows	farms	6 499	9 142	215	200	13	9	6 284	8 942
	number	344 550	398 211	21 927	17 734	751	506	322 623	380 477
Hogs and pigs	farms	5 577	7 433	260	286	28	32	5 317	7 147
	number	1 227 069	1 064 073	168 009	168 795	9 503	6 324	1 059 060	895 278
Sheep and lambs	farms	2 057	2 401	68	52	21	12	1 989	2 349
	number	101 330	115 517	3 223	2 980	1 242	315	98 107	112 537

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[1] Data are based on a sample of farms.
[2] Data for 1987 include cost of custom applications.
[3] Data for 1987 exclude cost of custom applications for commercial fertilizer and agricultural chemicals.
[4] Data for 1982 do not include imputation for item nonresponse.

Table 11. Value of Land and Buildings: 1987, 1982, and 1978

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Value of land and buildings	1987		1982	1978
	Farms	Value ($1,000)		
Estimated market value of land and buildings ... farms	51 175	(X)	58 661	60 425
$1,000	(X)	10 033 617	13 368 682	10 584 707
Average per farm ... dollars	(X)	196 065	228 238	175 171
Average per acre ... dollars	(X)	971	1 223	960
Farms by value group:				
$1 to $39,999	6 878	150 507	6 938	10 941
$40,000 to $69,999	9 417	500 026	10 011	12 753
$70,000 to $99,999	8 555	700 886	8 963	8 576
$100,000 to $149,999	7 959	939 956	8 794	8 266
$150,000 to $199,999	4 711	793 895	5 823	4 939
$200,000 to $499,999	9 378	2 800 917	12 050	10 795
$500,000 to $999,999	3 044	2 044 673	4 089	3 014
$1,000,000 to $1,999,999	975	1 309 912	1 993	1 141
$2,000,000 to $4,999,999	237	833 607		
$5,000,000 or more	23	159 238		

Table 12. Value of Machinery and Equipment on Place: 1987 and 1982

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Value of machinery and equipment	1987		1982	
	Farms	Value ($1,000)	Farms	Value ($1,000)
Estimated market value of all machinery and equipment	51 085	2 347 585	58 549	2 676 343
Average per farm[1]	(X)	45 954	(X)	45 711
By value group:				
$1 to $4,999	4 330	12 308	4 384	13 230
$5,000 to $9,999	10 003	68 427	12 500	84 531
$10,000 to $19,999	9 792	131 822	11 002	145 724
$20,000 to $29,999	6 455	147 511	6 858	157 165
$30,000 to $49,999	6 328	232 915	7 333	269 341
$50,000 to $69,999	4 346	240 947	4 688	262 126
$70,000 to $99,999	3 007	243 341	3 666	294 160
$100,000 to $199,999	4 551	588 405	5 655	729 474
$200,000 to $499,999	2 063	536 688	2 281	598 235
$500,000 to $999,999	165	107 602	182	122 338
$1,000,000 or more	25	37 620		

[1] Data are in whole dollars.

Table 13. Selected Machinery and Equipment on Place: 1987 and 1982

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Selected machinery and equipment	1987						1982		
	Total		Manufactured 1983 to 1987		Manufactured prior to 1983				
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Number manufactured 1978 to 1982
Motortrucks, including pickups	43 238	77 231	15 777	18 320	34 872	58 911	49 547	80 352	25 884
2 or 3	14 179	32 101	1 568	3 396	10 598	24 034	14 630	32 960	5 017
4 or more	3 662	19 733	153	868	2 516	13 119	2 833	15 306	1 311
Wheel tractors	47 507	143 734	7 283	10 777	45 790	132 957	53 627	146 655	18 389
2 or 3	21 942	53 002	1 654	3 658	21 849	52 420	26 623	64 564	7 372
4 or more	14 699	79 886	328	1 818	13 078	89 474	13 355	68 442	2 558
Less than 40 horsepower (PTO)	29 681	51 330	2 423	2 854	28 179	48 476	(NA)	(NA)	(NA)
40 horsepower (PTO) or more	36 848	92 404	5 568	7 923	35 272	84 481	(NA)	(NA)	(NA)
Grain and bean combines[1]	20 160	23 587	1 532	1 604	18 906	21 983	19 294	21 060	3 547
Cottonpickers and strippers	-	-	-	-	-	-	-	-	-
Mower conditioners	19 528	21 051	2 994	3 052	16 755	17 999	19 528	21 055	4 675
Pickup balers	21 716	24 924	2 805	2 936	19 771	21 986	23 282	25 051	4 180

[1] Data for 1982 include self-propelled only.

Table 14. Petroleum Products Expenses: 1987, 1982, and 1978

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Item	1987		1982	1978
	Farms	Expenses ($1,000)		
Petroleum products .... farms..	48 558	(X)	58 375	60 113
$1,000..	(X)	120 621	181 320	97 893
Average per farm .... dollars..	(X)	2 484	3 106	1 628
Gasoline and gasohol .... farms..	41 658	(X)	53 792	56 703
$1,000..	(X)	42 655	70 711	46 816
Average per farm .... dollars..	(X)	1 024	1 315	826
Farms with expenses of—				
$1 to $499	20 585	4 394	23 356	29 927
$500 to $999	8 610	5 839	10 481	12 642
$1,000 to $1,999	6 651	8 673	9 581	8 515
$2,000 to $4,999	4 521	(D)	7 720	4 879
$5,000 to $9,999	1 002	(D)	2 047	615
$10,000 to $24,999	261	(D)	607	125
$25,000 or more	28	(D)		
Diesel fuel .... farms..	29 904	(X)	32 771	29 489
$1,000..	(X)	50 970	70 978	28 826
Average per farm .... dollars..	(X)	1 704	2 166	978
Farms with expenses of—				
$1 to $499	12 312	2 748	11 057	15 856
$500 to $999	5 586	3 801	6 084	5 689
$1,000 to $1,999	4 659	6 326	5 653	4 243
$2,000 to $4,999	4 825	14 383	6 166	2 821
$5,000 to $9,999	1 796	11 840	2 497	710
$10,000 to $24,999	656	8 877	1 292	170
$25,000 or more	70	2 996		
Natural gas .... farms..	1 941	(X)	1 819	1 449
$1,000..	(X)	9 571	10 346	4 556
Average per farm .... dollars..	(X)	4 931	5 688	3 144
Farms with expenses of—				
$1 to $99	148	7	177	191
$100 to $499	474	134	452	526
$500 to $999	366	239	279	297
$1,000 to $1,999	312	429	209	117
$2,000 to $4,999	291	852	316	134
$5,000 to $9,999	174	1 181	386	184
$10,000 or more	176	6 728		
LP gas, fuel oil, kerosene, motor oil, grease, etc. .... farms..	35 310	(X)	(NA)	(NA)
$1,000..	(X)	17 425	29 285	17 695
Average per farm .... dollars..	(X)	493	(NA)	(NA)
Farms with expenses of—				
$1 to $99	14 170	686	(NA)	(NA)
$100 to $499	13 499	2 947	(NA)	(NA)
$500 to $999	3 629	2 398	(NA)	(NA)
$1,000 to $1,999	2 081	2 748	(NA)	(NA)
$2,000 to $4,999	1 474	4 214	(NA)	(NA)
$5,000 to $9,999	334	2 125	(NA)	(NA)
$10,000 or more	123	2 305	(NA)	(NA)

Table 15. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987, 1982, and 1978

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Chemicals used	1987	1982	1978
Any chemicals, fertilizer, or lime used .... farms..	40 732	46 294	51 593
Commercial fertilizer[1] .... farms..	37 296	43 009	48 523
acres on which used..	5 300 902	5 974 430	5 632 416
$1,000..	194 526	242 091	173 192
Lime .... farms..	6 799	6 756	7 505
acres on which used..	301 302	252 990	239 591
tons..	566 902	506 841	520 529
Farms by tons used:			
1 to 49 tons	3 530	3 973	4 490
50 to 99 tons	1 569	1 420	1 511
100 to 199 tons	1 023	818	967
200 to 499 tons	553	437	451
500 to 999 tons	97	75	70
1,000 tons or more	27	33	16
Agricultural chemicals[1] .... farms..	35 505	37 506	43 904
$1,000..	119 993	114 159	67 558
Any chemicals, fertilizer, or lime used—Con.			
Sprays, dusts, granules, fumigants, etc., to control—			
Insects on hay and other crops .... farms..	15 082	15 597	16 857
acres on which used..	1 532 318	1 811 518	1 514 374
Nematodes in crops .... farms..	2 132	2 477	2 561
acres on which used..	205 371	275 551	223 506
Diseases in crops and orchards .... farms..	5 320	5 399	7 015
acres on which used..	336 227	345 088	408 601
Weeds, grass, or brush in crops and pasture .... farms..	27 595	30 440	31 861
acres on which used..	3 800 607	4 288 784	3 629 396
Chemicals used for defoliation or for growth control of crops or thinning of fruit .... farms..	2 204	2 001	1 986
acres on which used..	118 970	127 566	89 418

[1] Data for 1987 include cost of custom applications; data for agricultural chemicals exclude the cost of lime for 1987 and 1982.

Table 16. Tenure and Characteristics of Operator and Type of Organization for All Farms and Farms Operated by Black and Other Races: 1987, 1982, and 1978

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		All farms			Farms operated by Black and other races[1]		
		1987	1982	1978	1987	1982	1978
Tenure of operator:							
All operators	farms	51 172	58 661	60 426	292	308	321
	acres	10 316 861	10 942 172	11 038 419	29 628	35 617	36 897
Harvested cropland	farms	46 017	53 738	57 294	239	259	287
	acres	6 172 468	7 255 909	6 774 229	13 019	16 632	19 880
Full owners	farms	31 186	35 489	37 025	222	218	225
	acres	3 461 112	3 989 535	4 256 235	12 986	20 870	17 098
Harvested cropland	farms	26 650	31 141	34 236	173	179	196
	acres	1 541 497	2 024 526	2 051 593	4 501	7 472	7 202
Part owners	farms	16 903	19 523	19 570	60	65	75
	acres	6 298 444	6 413 590	6 174 446	15 154	12 469	17 585
Harvested cropland	farms	16 536	19 160	19 384	58	56	74
	acres	4 238 821	4 806 741	4 274 641	7 641	7 587	11 029
Tenants	farms	3 083	3 649	3 831	10	25	21
	acres	557 305	539 047	607 738	1 488	2 273	2 214
Harvested cropland	farms	2 831	3 437	3 674	8	22	17
	acres	392 150	424 642	447 995	877	1 573	1 649
Percent of tenancy	percent	6.0	6.2	6.3	3.4	8.1	6.5
Operators by place of residence:							
On farm operated		41 967	47 559	48 475	205	233	264
Not on farm operated		6 332	6 651	6 709	61	57	38
Not reported		2 873	4 451	5 242	26	18	19
Operators by principal occupation:							
Farming		26 112	30 107	29 296	96	127	131
Other		25 060	28 554	31 130	196	181	190
Operators by days of work off farm:							
None		19 384	21 350	21 888	76	90	102
Any		29 155	33 579	36 289	201	196	203
1 to 49 days		2 714	3 362	3 797	9	17	16
50 to 99 days		1 344	1 656	1 657	5	17	7
100 to 149 days		1 564	1 964	1 790	10	17	17
150 to 199 days		2 715	3 416	2 991	33	14	25
200 days or more		20 818	23 181	26 054	144	131	138
Not reported		2 633	3 732	2 249	15	22	16
Operators by years on present farm:							
2 years or less		2 061	2 895	(NA)	16	37	(NA)
3 or 4 years		2 996	4 758	(NA)	30	36	(NA)
5 to 9 years		7 171	9 195	(NA)	45	63	(NA)
10 years or more		30 863	31 647	(NA)	145	112	(NA)
Average years on present farm		20.0	18.5	(NA)	15.4	11.8	(NA)
Not reported		8 081	10 166	(NA)	56	60	(NA)
Operators by age group:							
Under 25 years		829	1 630	1 585	5	7	6
25 to 34 years		6 206	7 874	7 697	24	36	34
35 to 44 years		11 098	13 278	12 856	75	68	66
45 to 49 years		6 142	13 422	14 922	39	73	83
50 to 54 years		5 792			27		
55 to 59 years		5 944	13 356	14 461	33	80	76
60 to 64 years		5 649			31		
65 to 69 years		4 355	9 101	8 905	26	44	56
70 years and over		5 157			32		
Average age		50.9	49.5	49.7	51.3	50.1	50.9
Operators by sex:							
Male	farms	48 458	56 194	58 181	259	286	293
	acres	10 026 658	10 687 623	10 785 439	26 869	34 198	33 373
Female	farms	2 714	2 467	2 245	33	22	28
	acres	290 203	254 549	252 980	2 759	1 419	3 524
Operators of Spanish origin (see text)	farms	122	116	182	26	28	19
	acres	17 323	14 496	31 400	1 572	1 404	1 788
Operators not of Spanish origin	farms	36 641	(NA)	(NA)	157	(NA)	(NA)
Spanish origin not reported	farms	14 409	(NA)	(NA)	109	(NA)	(NA)
Type of organization:							
Individual or family (sole proprietorship)	farms	45 166	52 022	53 931	263	281	295
	acres	7 848 652	8 462 560	8 816 357	21 530	27 418	30 463
Partnership	farms	4 662	5 495	5 635	20	22	23
	acres	1 851 919	1 899 339	1 798 138	3 361	3 181	3 206
Corporation	farms	1 167	947	699	6	-	2
	acres	557 706	519 299	374 072	337	-	(D)
Family held:							
More than 10 stockholders	farms	14	28	14	-	-	-
	acres	15 910	28 913	16 049	-	-	-
10 or less stockholders	farms	1 042	823	592	5	-	2
	acres	502 590	452 739	309 001	(D)	-	(D)
Other than family held:							
More than 10 stockholders	farms	12	7	11	-	-	-
	acres	7 775	1 949	16 191	-	-	-
10 or less stockholders	farms	99	89	82	1	-	-
	acres	31 431	35 698	32 831	(D)	-	-
Other—cooperative, estate or trust, institutional, etc.	farms	177	197	161	3	5	1
	acres	58 584	60 974	49 852	4 400	5 018	(D)

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[1] For classification of social and ethnic groups, see text.

Table 17. Selected Characteristics of Farms Operated by Females, Persons of Spanish Origin, and Specified Racial Groups: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	Female operators	Operators of Spanish origin[1]	Farms operated by Black and other races				
			Total	Black	American Indian	Asian	Other (see text)
FARMS AND LAND IN FARMS							
Farms .... number, 1987	2 714	122	292	171	58	21	42
1982	2 467	116	308	185	73	19	31
Land in farms .... acres, 1987	290 203	17 323	29 628	14 100	7 510	5 129	2 889
1982	254 549	14 496	35 617	19 974	8 178	5 303	2 162
Harvested cropland .... farms, 1987	2 021	104	239	138	44	18	39
1982	1 986	101	259	155	61	13	30
acres, 1987	129 205	9 408	13 019	6 327	2 919	2 000	1 773
1982	121 609	8 447	16 632	9 226	3 758	2 261	1 387
1987 FARMS BY SIZE							
1 to 9 acres	302	7	28	15	3	5	5
10 to 49 acres	1 060	41	133	84	23	8	18
50 to 139 acres	786	38	73	45	13	4	11
140 to 219 acres	256	15	34	14	11	3	6
220 to 499 acres	235	12	14	8	4	-	2
500 acres or more	75	9	10	5	4	1	-
1987 OWNED AND RENTED LAND IN FARMS							
Owned land in farms .... farms	2 598	116	282	168	55	20	39
acres	234 559	12 096	23 694	11 348	5 386	5 067	1 893
Rented or leased land in farms .... farms	577	39	70	30	16	5	19
acres	55 644	5 227	5 934	2 752	2 124	62	996
TENURE OF OPERATOR							
Full owners .... farms, 1987	2 137	83	222	141	42	16	23
1982	1 952	87	219	128	49	16	25
acres, 1987	167 905	7 426	12 986	7 652	3 570	(D)	(D)
1982	161 202	7 063	20 870	9 869	4 296	5 282	1 423
Part owners .... farms, 1987	461	33	60	27	13	4	16
1982	425	20	65	42	20	-	3
acres, 1987	114 116	9 543	15 154	5 394	3 630	4 098	2 032
1982	87 458	7 095	12 469	8 575	3 424	-	470
Tenants .... farms, 1987	116	6	10	3	3	1	3
1982	90	9	25	15	4	3	3
acres, 1987	8 182	354	1 463	1 054	310	(D)	(D)
1982	5 889	318	2 278	1 530	458	21	289
1987 FARMS BY TYPE OF ORGANIZATION							
Individual or family (sole proprietorship)	2 431	103	263	154	54	15	40
Partnership	168	15	20	16	1	2	1
Family held corporation	77	4	5	1	1	3	-
Other than family held corporation	7	-	1	-	-	-	1
Other—cooperative, estate or trust, institutional, etc.	11	-	3	-	2	1	-
1987 MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD							
Total sales .... farms	2 714	122	292	171	58	21	42
$1,000	49 823	3 742	4 486	2 094	632	1 014	746
Crops, including nursery and greenhouse crops .... farms	1 447	84	194	112	31	18	33
$1,000	26 326	2 060	2 032	1 106	273	192	460
Livestock, poultry, and their products .... farms	1 400	56	136	79	36	7	14
$1,000	23 497	1 682	2 454	988	359	822	286
Farms by value of sales:							
Less than $2,500	1 100	40	119	74	28	4	13
$2,500 to $9,999	835	36	88	51	13	10	14
$10,000 to $19,999	306	11	33	17	7	4	5
$20,000 to $24,999	79	6	13	7	1	1	4
$25,000 or more	394	29	39	22	9	2	6
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION							
Cash grains (011)	424	21	62	43	10	3	6
Field crops, except cash grains (013)	301	15	23	12	6	1	4
Cotton (0131)	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	301	15	23	12	6	1	4
Vegetables and melons (016)	97	8	27	10	1	8	8
Fruits and tree nuts (017)	243	18	45	31	2	2	10
Horticultural specialties (018)	118	5	6	2	1	1	2
General farms, primarily crop (019)	109	8	7	3	2	-	2
Livestock, except dairy, poultry, and animal specialties (021)	536	29	77	53	17	-	7
Beef cattle, except feedlots (0212)	274	13	24	12	11	-	1
Dairy farms (024)	164	6	11	6	3	1	1
Poultry and eggs (025)	36	1	7	3	1	1	2
Animal specialties (027)	555	10	25	8	13	4	-
General farms, primarily livestock and animal specialties (029)	31	1	2	-	2	-	-

See footnotes at end of table.

Table 17. Selected Characteristics of Farms Operated by Females, Persons of Spanish Origin, and Specified Racial Groups: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	Female operators	Operators of Spanish origin[1]	Farms operated by Black and other races				
			Total	Black	American Indian	Asian	Other (see text)
1987 OPERATOR CHARACTERISTICS							
Operators by place of residence:							
On farm operated	2 316	98	205	116	46	14	29
Not on farm operated	258	20	61	37	8	7	9
Not reported	140	4	26	18	4		4
Operators by principal occupation:							
Farming	1 418	63	96	60	17	6	13
Other	1 296	59	196	111	41	15	29
Operators by days of work off farm:							
None	1 266	44	76	50	11	7	8
Any	2 081	116	201	185	78	28	54
1 to 99 days	221	15	14	9	1	-	4
100 to 199 days	1 064	57	43	101	44	14	28
200 days or more	796	44	144	75	33	14	22
Not reported	163	6	15	11	2	-	2
Operators by years on present farm:							
2 years or less	202	11	16	2	6	4	4
3 or 4 years	290	7	30	16	7	5	2
5 to 9 years	490	18	45	17	8	7	13
10 years or more	1 277	66	145	97	29	4	15
Average years on present farm	17.2	16.7	15.4	18.0	14.1	6.9	12.2
Not reported	455	20	56	39	8	1	8
Operators by age group:							
Under 25 years	25	1	5	4	1	-	-
25 to 34 years	304	14	24	4	9	7	4
35 to 44 years	623	28	75	44	15	1	15
45 to 54 years	548	24	66	31	17	9	9
55 to 59 years	277	13	33	20	5	3	5
60 to 64 years	296	21	31	20	6	1	4
65 to 69 years	257	11	26	24	2	-	-
70 years and over	384	10	32	24	3	-	5
Average age	52.4	51.0	51.3	54.2	47.3	43.9	49.0
Operators by sex:							
Male	(X)	104	259	150	51	20	38
Female	2 714	18	33	21	7	1	4
Operators of Spanish origin[1]	18	122	26	1	1	1	23
1987 COMMODITY CREDIT CORPORATION LOANS AND GOVERNMENT PAYMENTS							
Amount received from Commodity Credit Corporation loans farms	120	6	13	7	5	-	1
$1,000	1 742	41	191	(D)	104	-	(D)
Government payments received farms	544	31	50	25	14	5	6
$1,000	3 695	436	383	211	109	10	33

[1] See chapter 1, table 16 for operators not of or not reporting Spanish origin.

Table 18. Selected Characteristics of Farms by Standard Industrial Classification: 1987

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Farms	Land in farms (acres)	Harvested cropland (acres)	Value of selected capital assets[1], average per farm (dollars)		Market value of agricultural products sold ($1,000)		
				Land and buildings	Machinery and equipment	Total	Crops, including nursery and greenhouse crops	Livestock, poultry, and their products
Total	**51 172**	**10 316 861**	**6 172 468**	**196 065**	**45 954**	**2 545 078**	**1 272 802**	**1 272 276**
Crops (01)	29 959	6 024 542	3 789 618	206 980	45 619	1 193 033	1 143 188	49 844
Cash grains (011)	15 745	3 960 728	2 658 919	233 387	49 451	480 314	452 126	28 188
Wheat (0111)	470	45 243	19 786	88 522	15 585	1 769	1 729	40
Rice (0112)	-	-	-	-	-	-	-	-
Corn (0115)	5 511	1 414 880	855 555	244 436	48 036	155 083	149 267	5 816
Soybeans (0116)	4 879	879 881	643 878	174 951	38 733	103 343	101 610	1 733
Cash grains, n.e.c. (0119)	4 885	1 620 724	1 139 700	291 375	64 662	220 119	199 520	20 599
Field crops, except cash grains (013)	5 654	948 433	526 514	155 893	33 746	139 370	136 008	3 362
Cotton (0131)	-	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-	-
Sugarcane and sugar beets (0133)	474	209 492	170 064	415 929	83 232	48 344	47 861	483
Irish potatoes (0134)	255	134 616	81 991	423 055	162 953	51 718	51 288	430
Field crops, except cash grains, n.e.c. (0139)	4 925	604 325	274 459	110 533	20 440	39 308	36 860	2 449
Vegetables and melons (016)	1 758	247 069	149 929	184 066	51 133	123 817	122 678	1 139
Fruits and tree nuts (017)	3 307	383 998	189 017	192 623	47 080	162 265	160 473	1 793
Berry crops (0171)	808	61 785	19 122	152 029	37 359	30 496	30 252	244
Grapes (0172)	395	(D)	(D)	109 491	22 138	(D)	(D)	61
Tree nuts (0173)	2	(D)	(D)	-	-	(D)	(D)	-
Citrus fruits (0174)	-	-	-	-	-	-	-	-
Deciduous tree fruits (0175)	1 743	269 459	148 894	246 508	62 543	118 667	117 273	1 394
Fruits and tree nuts, n.e.c. (0179)	359	29 648	9 083	110 044	19 154	4 734	4 640	94
Horticultural specialties (018)	1 311	84 998	33 458	228 425	55 072	218 651	218 552	100
Ornamental floriculture and nursery products (0181)	1 293	84 410	33 365	217 467	52 219	201 771	(D)	(D)
Food crops grown under cover (0182)	18	588	93	1 060 467	270 145	16 880	(D)	(D)
General farms, primarily crop (019)	2 184	399 316	231 781	173 158	36 454	68 615	53 352	15 263
Livestock and animal specialties (02)	21 213	4 292 319	2 382 850	180 574	46 431	1 352 045	129 613	1 222 432
Livestock, except dairy, poultry, and animal specialties (021)	12 124	1 945 455	885 326	141 952	31 844	497 980	60 539	437 441
Beef cattle feedlots (0211)	2 978	522 529	274 360	158 532	37 093	171 611	20 910	150 701
Beef cattle, except feedlots (0212)	4 605	690 389	212 032	114 956	22 927	65 966	5 700	60 266
Hogs (0213)	2 920	517 467	297 727	181 416	47 247	230 708	26 129	204 579
Sheep and goats (0214)	863	64 191	16 341	81 051	14 378	4 255	413	3 842
General livestock, except dairy, poultry, and animal specialties (0219)	728	150 879	84 566	190 715	37 140	25 441	7 387	18 054
Dairy farms (024)	5 199	1 963 269	1 331 705	303 850	94 609	659 535	50 912	608 623
Poultry and eggs (025)	455	53 672	26 136	189 904	57 533	119 499	3 944	115 555
Broiler, fryer, and roaster chickens (0251)	26	3 760	1 133	118 148	15 657	992	125	867
Chicken eggs (0252)	285	36 276	20 377	222 303	66 029	80 899	3 136	77 763
Turkeys and turkey eggs (0253)	48	6 797	(D)	250 423	116 957	35 124	400	34 725
Poultry hatcheries (0254)	3	139	(D)	-	-	5	-	5
Poultry and eggs, n.e.c. (0259)	93	6 700	1 248	103 692	20 889	2 479	283	2 196
Animal specialties (027)	2 931	139 629	20 334	97 726	15 501	33 599	537	33 061
Fur-bearing animals and rabbits (0271)	111	5 553	578	86 153	21 534	8 556	25	8 530
Horses and other equines (0272)	2 385	111 265	16 465	103 965	14 153	9 191	348	8 843
Animal aquaculture (0273)	33	1 855	90	168 909	24 232	923	1	922
Animal specialties, n.e.c. (0279)	402	20 956	3 201	60 868	21 100	14 928	162	14 766
General farms, primarily livestock and animal specialties (029)	504	190 294	119 349	342 518	78 309	41 432	13 682	27 750

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[1] Data are based on a sample of farms.

Table 19. **Selected Characteristics of Abnormal Farms: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		1987	1982
Farms	number	20	19
Land in farms	acres	17 288	16 729
Average size of farm	acres	864	880
Value of land and buildings[1]	$1,000	13 778	22 446
Average per farm	dollars	688 900	1 181 368
Average per acre	dollars	797	1 342
Estimated market value of all machinery and equipment[1]	$1,000	3 164	2 318
Land in farms according to use:			
Total cropland	farms	20	19
	acres	9 148	8 839
Harvested cropland	farms	18	18
	acres	6 131	5 937
Cropland used only for pasture or grazing	farms	7	5
	acres	1 133	1 537
Other cropland	farms	13	(NA)
	acres	1 884	1 365
Total woodland	farms	14	13
	acres	4 233	2 181
Woodland pastured	farms	4	5
	acres	1 207	659
Woodland not pastured	farms	11	11
	acres	3 026	1 522
Pastureland and rangeland other than cropland and woodland pastured	farms	6	3
	acres	1 678	3 083
Land in house lots, ponds, roads, wasteland, etc.	farms	16	17
	acres	2 029	2 626
Irrigated land	farms	7	7
	acres	409	199
Market value of agricultural products sold	$1,000	3 661	3 116
Average per farm	dollars	183 070	164 000
Crops, including nursery and greenhouse crops	$1,000	208	384
Livestock, poultry, and their products	$1,000	3 453	2 732
Total farm production expenses[1]	$1,000	3 987	(NA)
Average per farm	dollars	199 362	(NA)
Tenure of operator:			
Full owners		11	11
Part owners		6	5
Tenants		3	3
Abnormal farms by standard industrial classification:			
Cash grains (011)		3	3
Field crops, except cash grains (013)		1	1
Cotton (0131)		-	-
Tobacco (0132)		-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		1	1
Vegetables and melons (016)		2	3
Fruits and tree nuts (017)		2	3
Horticultural specialties (018)		-	-
General farms, primarily crop (019)		-	1
Livestock, except dairy, poultry, and animal specialties (021)		5	4
Beef cattle, except feedlots (0212)		2	2
Dairy farms (024)		5	3
Poultry and eggs (025)		-	-
Animal specialties (027)		-	-
General farms, primarily livestock and animal specialties (029)		2	1

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[1] Data are based on a sample of farms.

Table 20. **Livestock and Poultry—Inventory and Sales: 1987, 1982, and 1978**

[For meaning of abbreviations and symbols, see introductory text]

Item		Inventory			Sales		
		Farms	Number	Value[1] ($1,000)	Farms	Number	Value ($1,000)
Livestock and poultry	1987	29 309	(X)	871 789	25 616	(X)	1 272 276
	1982	35 106	(X)	895 793	30 755	(X)	1 223 652
	1978	34 818	(X)	719 563	30 955	(X)	916 571
Poultry	1987	4 327	(X)	14 853	2 063	(X)	116 432
	1982	6 734	(X)	14 923	3 100	(X)	101 375
	1978	7 069	(X)	14 705	3 053	(X)	78 304
Livestock	1987	28 618	(X)	856 936	24 993	(X)	1 155 844
	1982	34 236	(X)	880 870	29 870	(X)	1 122 277
	1978	33 589	(X)	704 858	30 033	(X)	838 267
Any cattle, hogs, or sheep	1987	23 045	(X)	817 151	22 311	(X)	552 050
	1982	29 509	(X)	849 281	27 594	(X)	483 852
	1978	29 547	(X)	698 097	27 920	(X)	390 053
Cattle and calves	1987	19 436	1 163 352	710 519	18 164	653 806	320 270
	1982	25 657	1 345 793	750 007	22 849	642 060	295 881
	1978	25 293	1 248 623	614 528	23 057	675 773	260 614
Cows and heifers that had calved	1987	14 030	454 706	401 549	(NA)	(NA)	(NA)
	1982	18 730	539 180	493 504	(NA)	(NA)	(NA)
	1978	19 000	517 274	365 869	(NA)	(NA)	(NA)
Beef cows	1987	8 163	110 156	63 890	(NA)	(NA)	(NA)
	1982	10 810	140 969	63 436	(NA)	(NA)	(NA)
	1978	10 575	139 275	71 030	(NA)	(NA)	(NA)
Milk cows	1987	6 499	344 550	337 659	(NA)	(NA)	(NA)
	1982	9 142	398 211	430 068	(NA)	(NA)	(NA)
	1978	9 867	377 999	294 839	(NA)	(NA)	(NA)
Hogs and pigs	1987	5 577	1 227 069	98 779	5 603	2 215 872	226 148
	1982	7 433	1 064 073	92 574	7 194	1 734 236	182 764
	1978	8 572	931 240	78 224	8 065	1 392 522	124 746
Feeder pigs sold	1987	(X)	(X)	(X)	1 575	468 706	21 840
	1982	(X)	(X)	(X)	2 184	388 321	19 044
	1978	(X)	(X)	(X)	2 577	306 271	13 362
Sheep and lambs[2]	1987	2 057	101 330	7 853	1 979	77 152	5 632
	1982	2 401	115 517	6 700	2 172	88 782	5 207
	1978	1 975	97 185	5 345	1 825	75 150	4 693
Horses and ponies	1987	9 065	56 836	39 785	2 403	7 645	10 057
	1982	9 539	52 648	31 589	2 403	7 808	11 086
	1978	9 039	45 071	6 761	2 090	6 588	7 059
Chickens 3 months old or older[3]	1987	3 550	8 428 623	10 830	587	6 611 462	(NA)
	1982	5 788	7 572 108	11 165	1 074	7 578 366	(NA)
	1978	6 146	7 011 188	11 059	1 222	6 629 643	(NA)
Hens and pullets of laying age	1987	3 490	7 152 993	9 299	537	4 650 856	(NA)
	1982	5 710	6 604 657	9 907	1 013	4 791 058	(NA)
	1978	6 022	6 218 731	9 950	1 167	4 565 325	(NA)
Broilers and other meat-type chickens	1987	871	158 461	113	495	702 431	(NA)
	1982	1 530	182 326	109	636	601 403	(NA)
	1978	1 350	207 161	162	493	496 339	(NA)
Turkeys	1987	519	731 166	3 911	281	2 906 878	(NA)
	1982	689	778 908	3 649	265	1 901 774	(NA)
	1978	457	509 105	3 484	165	1 110 463	(NA)

[1] Data are estimated; see text.
[2] Value of sales includes sheep, lambs, and wool sold.
[3] Sales for 1987 include pullets of less than 3 months old.

Table 21. **Poultry—Inventory and Sales: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Item	1987		1982		Item	1987		1982	
	Farms	Number	Farms	Number		Farms	Number	Farms	Number
INVENTORY					**SALES**				
Chickens 3 months old or older	3 550	8 428 623	5 788	7 572 108	Hens and pullets[1]	587	6 611 462	1 074	7 578 366
Farms with—					Farms with—				
1 to 3,199	3 413	153 827	5 561	300 034	1 to 3,199	436	51 523	836	166 438
3,200 to 9,999	37	261 683	65	435 010	3,200 to 9,999	55	372 630	87	598 463
10,000 or more	100	8 013 113	162	6 837 064	10,000 or more	96	6 187 309	151	6 813 465
Hens and pullets of laying age	3 490	7 152 993	5 710	6 604 657	Hens and pullets of laying age	537	4 650 856	1 013	4 791 058
Farms with—					Farms with—				
1 to 99	3 121	73 678	4 993	123 523	1 to 99	343	9 220	576	17 909
100 to 399	210	32 674	430	67 769	100 to 399	47	7 406	170	30 598
400 to 3,199	33	36 145	84	93 813	400 to 3,199	17	27 691	74	113 194
3,200 to 9,999	36	255 683	60	400 720	3,200 to 9,999	54	368 630	86	588 763
10,000 to 19,999	32	396 926	66	844 563	10,000 to 19,999	27	362 121	47	648 070
20,000 to 49,999	29	868 725	44	1 226 293	20,000 to 49,999	28	885 188	42	1 185 684
50,000 to 99,999	14	912 943	21	1 427 193	50,000 to 99,999	15	1 021 600	10	735 840
100,000 or more	15	4 576 219	12	2 420 783	100,000 or more	6	1 969 000	8	1 471 000
Broilers and other meat-type chickens	871	158 461	1 530	182 326	Broilers and other meat-type chickens	495	702 431	636	601 403
Turkeys	519	731 166	689	778 908	Turkeys	281	2 906 878	265	1 901 774
For slaughter	400	670 937	503	735 154	For slaughter	267	2 851 146	247	1 850 774
Hens kept for breeding	169	60 229	269	43 754	Hens kept for breeding	19	55 732	28	51 000
Ducks, geese, and other poultry	1 169	(X)	1 713	(X)	Ducks, geese, and other poultry	309	(X)	378	(X)

[1] Sales for 1987 include pullets of less than 3 months old.

Table 22. Broilers and Started Pullets—Sales: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Number sold	Broilers and other meat-type chickens				Pullets not of laying age		Pullets 3 months old or older not of laying age	
	1987		1982		1987		1982	
	Farms	Number	Farms	Number	Farms	Number	Farms	Number
Total	**495**	**702 431**	**636**	**601 403**	**75**	**1 960 606**	**81**	**2 787 308**
Farms with—								
1 to 1,999	482	70 541	627	67 303	49	7 206	30	1 987
2,000 to 15,999	4	33 890	4	38 100	4	(D)	12	115 530
16,000 to 29,999	3	56 000	1	(D)	1	(D)	9	181 234
30,000 to 59,999	1	(D)	1	(D)	12	533 800	16	708 557
60,000 to 99,999	2	(D)	2	(D)	5	400 000	8	581 000
100,000 to 199,999	3	340 000	-	-	1	(D)	3	313 000
200,000 to 499,999	-	-	1	(D)	3	857 600	3	886 000
200,000 to 299,999	-	-	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
300,000 to 499,999	-	-	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
500,000 or more	-	-	-	-	-	-	-	-

Table 23. Poultry—Inventory and Sales by Size of Flock: 1987

[For meaning of abbreviations and symbols, see introductory text]

Chickens 3 months old or older	Inventory									
	Chickens 3 months old or older						Pullet chicks and pullets under 3 months old		Broilers and other meat-type chickens	
	Total		Hens and pullets of laying age		Pullets 3 months old or older not of laying age					
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Farms	Number
Total inventory	3 550	8 428 623	3 490	7 152 993	480	1 275 630	102	883 864	577	27 308
Farms with—										
1 to 99	3 141	78 283	3 097	72 400	389	5 883	70	1 429	526	20 608
100 to 399	237	37 949	233	33 752	53	4 197	16	1 370	46	5 725
400 to 1,599	26	17 315	25	16 065	3	1 250	-	-	3	(D)
1,600 to 3,199	9	20 280	9	20 280	-	-	-	-	1	(D)
3,200 to 9,999	37	261 683	36	(D)	2	(D)	4	11 300	1	(D)
10,000 to 19,999	29	363 426	26	(D)	4	(D)	-	-	-	-
20,000 to 49,999	35	983 380	30	763 380	12	220 000	2	(D)	-	-
50,000 to 99,999	20	1 339 488	19	1 089 788	8	249 700	1	(D)	-	-
100,000 or more	16	5 326 819	15	4 576 219	9	750 600	9	779 850	-	-
No inventory	(X)	(X)	(X)	(X)	(X)	(X)	25	393 435	294	131 153

Chickens 3 months old or older	Sales									
	Hens and pullets						Broilers and other meat-type chickens		Poultry and poultry products	
	Total		Hens and pullets of laying age		Pullets not of laying age					
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Farms	Value ($1,000)
Total inventory	487	5 751 536	456	4 520 763	52	1 230 773	245	40 097	1 502	77 058
Farms with—										
1 to 99	262	18 394	247	17 066	22	1 328	209	30 512	1 099	325
100 to 399	76	8 737	71	(D)	14	(D)	32	8 357	231	345
400 to 1,599	8	1 671	7	(D)	1	(D)	1	(D)	26	144
1,600 to 3,199	4	5 500	4	5 500	-	-	-	-	9	232
3,200 to 9,999	37	241 990	37	241 990	-	-	1	(D)	37	2 651
10,000 to 19,999	29	381 995	26	348 995	3	33 000	2	(D)	29	2 991
20,000 to 49,999	35	896 681	30	566 681	5	330 000	-	-	35	8 391
50,000 to 99,999	20	1 198 368	19	788 368	4	410 000	-	-	20	14 126
100,000 or more	16	2 998 200	15	2 545 600	3	452 600	-	-	16	47 853
No inventory	100	859 926	81	130 093	23	729 833	250	662 334	561	39 376

Table 24. **Turkeys—Sales by Number Sold Per Farm: 1987**

[For meaning of abbreviations and symbols, see introductory text]

Turkeys	Total		Sales for slaughter		Sales of hens kept for breeding	
	Farms	Number	Farms	Number	Farms	Number
Total sold	281	2 906 876	267	2 851 146	19	55 732
Farms with—						
1 to 1,999	254	16 231	245	15 924	13	307
2,000 to 7,999	7	35 625	3	(D)	4	(D)
8,000 to 15,999	4	36 300	4	(D)	1	(D)
16,000 to 29,999	-	-	-	-	-	-
30,000 to 59,999	6	(D)	5	(D)	1	(D)
60,000 to 99,999	2	(D)	2	(D)	-	-
100,000 or more	8	2 438 472	8	2 438 472	-	-

Table 25. **Cattle and Calves—Inventory: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Item	1987		1982	
	Farms	Number	Farms	Number
Cattle and calves	19 436	1 163 352	25 657	1 345 793
Farms with—				
1 to 9	5 321	25 394	7 527	36 392
10 to 19	3 502	48 084	4 648	63 838
20 to 49	4 395	137 241	6 070	189 716
50 to 99	2 904	201 961	3 691	256 694
100 to 199	2 045	(D)	2 433	326 873
200 to 499	1 078	(D)	1 114	308 242
500 to 999	148	(D)	124	78 298
1,000 to 2,499	35	(D)	41	55 20[illegible]
2,500 or more	8	29 751	9	30 5[illegible]
Cows and heifers that had calved	14 030	454 706	18 730	539 180
Farms with—				
1 to 9	5 140	22 070	7 546	30 772
10 to 19	2 499	33 915	3 212	43 361
20 to 49	3 370	105 985	4 501	140 982
50 to 99	1 989	134 009	2 379	158 047
100 to 199	860	109 857	934	116 891
200 to 499	160	40 073	141	35 214
500 to 999	10	(D)	13	8 321
1,000 or more	2	(D)	4	5 592
Beef cows	8 163	110 156	10 810	140 969
Farms with—				
1 to 9	4 691	20 309	6 601	27 338
10 to 19	1 936	25 806	2 331	30 660
20 to 49	1 200	33 948	1 490	41 650
50 to 99	257	16 549	277	17 683
100 to 199	61	7 631	81	10 047
200 to 499	16	(D)	23	6 527
500 to 999	1	(D)	4	2 972
1,000 or more	1	(D)	3	4 092
Milk cows	6 499	344 550	9 142	398 211
Farms with—				
1 to 4	719	1 299	1 599	2 652
5 to 9	241	1 628	414	2 900
10 to 29	1 446	28 444	2 137	41 361
30 to 49	1 428	54 463	1 948	73 942
50 to 99	1 724	116 665	2 083	138 927
100 to 199	791	100 928	838	104 746
200 to 499	141	34 939	116	28 580
500 or more	9	6 184	7	5 103
Heifers and heifer calves	13 710	372 907	18 594	422 366
Steers, steer calves, bulls, and bull calves	15 610	335 739	21 600	384 247

Table 26. **Cattle and Calves—Sales: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Item	1987			1982		
	Farms	Number	Value ($1,000)	Farms	Number	Value ($1,000)
Cattle and calves sold	18 164	653 806	320 270	22 849	642 060	295 881
Farms with—						
1 to 9	7 768	34 726	15 570	10 835	46 705	18 849
10 to 19	3 856	52 498	21 504	5 128	69 827	26 001
20 to 49	4 109	124 021	49 937	4 651	137 839	50 895
50 to 99	1 483	99 841	41 638	1 446	95 429	38 615
100 to 199	576	76 663	35 410	469	60 648	26 822
200 to 499	240	66 413	36 256	189	54 546	31 582
500 to 999	64	41 230	24 860	70	47 326	26 829
1,000 to 2,499	49	71 393	44 131	46	67 643	39 861
2,500 or more	19	87 021	50 964	15	62 097	36 427
Cattle sold	16 208	470 504	285 702	20 499	466 700	268 138
Farms with—						
1 to 9	8 525	35 860	18 655	12 091	48 573	23 475
10 to 19	3 416	45 351	23 985	4 254	56 373	28 238
20 to 49	2 793	82 036	44 962	2 848	82 284	43 953
50 to 99	861	56 843	33 074	783	51 019	29 442
100 to 199	341	45 482	27 330	256	33 104	19 860
200 to 499	173	49 385	31 816	161	46 993	30 396
500 to 999	46	30 230	20 806	56	38 108	23 591
1,000 or more	53	125 317	35 074	50	110 246	69 183
Cattle fattened on grain and concentrates sold	7 067	281 874	187 767	9 025	278 412	173 440
Farms with—						
1 to 9	4 162	16 265	9 403	5 797	21 699	11 579
10 to 19	1 204	15 894	9 487	1 616	21 325	11 777
20 to 49	993	29 319	18 603	956	27 748	16 351
50 to 99	337	22 176	14 550	307	19 893	12 661
100 to 199	166	22 382	14 764	146	19 624	12 372
200 to 499	120	34 561	23 711	110	32 799	21 909
500 to 999	37	23 702	16 293	45	30 730	19 516
1,000 to 2,499	35	53 396	36 818	36	53 649	34 862
2,500 or more	13	64 179	44 137	12	50 945	32 412
Calves sold	8 447	183 302	34 569	10 740	175 360	27 742
Farms with—						
1 to 9	3 989	16 381	3 183	5 743	23 588	3 563
10 to 19	2 063	26 954	4 203	2 582	33 656	4 330
20 to 49	1 814	51 458	7 335	1 905	53 291	6 271
50 to 99	426	26 973	3 271	386	23 998	2 554
100 to 199	91	11 648	1 749	81	10 060	1 232
200 to 499	36	10 077	2 243	22	5 547	1 016
500 or more	28	39 811	12 584	21	25 220	8 776

Table 27. **Cattle and Calves—Inventory and Sales by Size of Herd: 1987**

[For meaning of abbreviations and symbols, see introductory text]

Cattle and calves	Cattle and calves inventory								Cattle and calves sales		
	Total		Cows and heifers that had calved		Heifers and heifer calves		Steers, steer calves, bulls, and bull calves				
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Value ($1,000)
Total inventory	19 436	1 163 352	14 030	454 706	13 710	372 907	15 610	335 739	17 284	627 650	307 811
Farms with—											
1 to 9	5 321	25 394	2 798	8 679	2 449	5 428	3 770	11 287	3 175	17 543	7 893
10 to 19	3 502	48 084	2 445	18 175	2 389	11 203	3 018	18 706	3 500	30 322	13 262
20 to 49	4 395	137 241	3 459	58 472	3 427	35 674	3 806	43 095	4 394	71 202	30 896
50 to 99	2 904	201 961	2 440	90 315	2 491	63 556	2 342	48 090	2 901	86 485	35 916
100 to 199	2 045	(D)	1 816	122 943	1 850	99 720	1 620	(D)	2 045	111 004	48 461
200 to 499	1 078	(D)	956	123 817	969	(D)	871	(D)	1 078	(D)	(D)
500 to 999	148	(D)	101	24 289	111	(D)	141	40 257	148	(D)	(D)
1,000 to 2,499	35	(D)	13	(D)	19	8 897	34	33 244	35	53 987	35 593
2,500 or more	8	29 751	2	(D)	5	(D)	8	20 384	8	42 623	28 638
No inventory	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	880	26 156	12 459

Table 28. Cattle and Calves—Inventory and Sales by Size of Cow Herd: 1987

[For meaning of abbreviations and symbols, see introductory text]

Cows and heifers that had calved	Cattle and calves inventory								Cattle and calves sales		
	Total		Cows and heifers that had calved		Heifers and heifer calves		Steers, steer calves, bulls, and bull calves				
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Value ($1,000)
Total inventory	14 030	928 446	14 030	454 706	11 296	328 471	10 747	145 269	12 891	340 983	136 941
Farms with—											
1 to 4	2 883	23 408	2 883	7 003	1 785	6 531	2 027	9 874	1 848	12 817	5 504
5 to 9	2 257	33 896	2 257	15 067	1 604	8 845	1 780	9 984	2 157	17 708	8 096
10 to 19	2 499	69 067	2 499	33 915	2 003	18 150	2 077	17 002	2 498	32 813	14 027
20 to 29	1 482	71 483	1 482	34 934	1 285	21 864	1 174	14 685	1 482	31 223	13 680
30 to 49	1 888	140 799	1 888	71 051	1 743	47 667	1 414	22 081	1 887	50 772	19 970
50 to 99	1 989	266 013	1 989	134 009	1 890	100 458	1 498	31 546	1 987	87 870	32 576
100 to 199	860	228 502	860	109 857	827	89 177	648	29 468	860	75 804	29 586
200 to 499	160	78 187	160	40 073	146	30 342	118	7 772	160	26 695	10 825
500 to 999	10	(D)	10	(D)	9	(D)	9	(D)	10	(D)	(D)
1,000 or more	2	(D)	2	(D)	2	(D)	2	(D)	2	(D)	(D)
No inventory	5 406	234 906	(X)	(X)	2 414	44 436	4 863	190 470	5 273	312 823	183 330

Table 29. Cattle and Calves—Inventory and Sales by Size of Beef Cow Herd: 1987

[For meaning of abbreviations and symbols, see introductory text]

Beef cows	Cattle and calves inventory									
	Total		Cows and heifers that had calved				Heifers and heifer calves		Steers, steer calves, bulls, and bull calves	
			Total		Beef cows					
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Farms	Number
Total inventory	8 163	260 190	8 163	126 547	8 163	110 156	5 850	62 503	6 539	71 140
Farms with—										
1 to 4	2 623	28 617	2 623	11 031	2 623	6 515	1 662	8 042	1 855	9 544
5 to 9	2 068	35 024	2 068	16 537	2 068	13 794	1 466	6 778	1 662	9 709
10 to 19	1 936	58 371	1 936	28 687	1 936	25 806	1 489	14 086	1 664	15 598
20 to 29	720	39 160	720	18 465	720	16 701	570	9 669	645	11 026
30 to 49	480	37 934	480	18 774	480	17 247	385	7 995	420	11 165
50 to 99	257	32 632	257	17 792	257	16 549	219	7 870	229	6 970
100 to 199	61	19 209	61	6 788	61	7 631	48	4 488	52	5 933
200 to 499	16	(D)	16	(D)	16	(D)	9	(D)	10	(D)
500 to 999	1	(D)	1	(D)	1	(D)	1	(D)	1	(D)
1,000 or more	1	(D)	1	(D)	1	(D)	1	(D)	1	(D)
No inventory	11 273	903 162	5 667	328 159	(X)	(X)	7 860	310 404	9 071	264 599

Beef cows	Cattle and calves sales											
	Total			Cattle						Calves		
				Total			Fattened on grain and concentrates					
	Farms	Number	Value ($1,000)	Farms	Number	Value ($1,000)	Farms	Number	Value ($1,000)	Farms	Number	Value ($1,000)
Total inventory	7 182	129 301	61 642	6 351	98 560	54 747	3 042	49 372	30 692	2 946	30 741	6 895
Farms with—												
1 to 4	1 711	13 153	5 415	1 542	9 147	4 810	759	4 083	2 460	583	4 006	605
5 to 9	2 001	17 553	8 018	1 761	13 063	7 107	865	6 616	4 091	821	4 490	911
10 to 19	1 935	28 050	12 568	1 671	20 422	10 695	764	7 641	4 472	856	7 628	1 874
20 to 29	720	19 544	9 889	639	15 224	8 852	316	7 946	5 117	305	4 320	1 037
30 to 49	480	18 386	9 494	434	14 658	8 488	215	8 676	5 679	217	3 728	1 006
50 to 99	256	15 415	7 359	229	11 420	6 299	91	4 939	3 063	126	3 995	1 059
100 to 199	61	12 767	6 459	57	10 503	6 121	25	6 854	4 240	30	2 264	338
200 to 499	16	(D)	(D)	16	(D)	(D)	7	2 617	1 570	7	(D)	(D)
500 to 999	1	(D)	(D)	1	(D)	(D)	-	-	-	1	(D)	(D)
1,000 or more	1	(D)	(D)	1	(D)	(D)	-	-	-	-	-	-
No inventory	10 982	524 505	258 628	9 857	371 944	230 955	4 025	232 502	157 075	5 501	152 561	27 674

Table 30. Cattle and Calves—Inventory and Sales by Size of Milk Cow Herd: 1987

[For meaning of abbreviations and symbols, see introductory text]

Milk cows	Cattle and calves inventory									
	Total		Cows and heifers that had calved				Heifers and heifer calves		Steers, steer calves, bulls, and bull calves	
			Total		Milk cows					
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Farms	Number
Total inventory	6 499	715 496	6 499	354 534	6 499	344 550	5 974	278 861	4 739	82 101
Farms with—										
1 to 4	719	9 686	719	3 038	719	1 299	481	3 030	539	3 618
5 to 9	241	5 371	241	2 104	241	1 628	199	2 170	171	1 097
10 to 19	634	18 515	634	9 666	634	9 076	575	6 235	477	2 614
20 to 29	812	39 126	812	20 182	812	19 368	762	14 177	576	4 767
30 to 49	1 428	109 781	1 428	56 158	1 428	54 463	1 378	41 576	1 011	12 047
50 to 99	1 724	236 985	1 724	118 595	1 724	116 665	1 667	93 173	1 265	25 217
100 to 199	791	209 641	791	101 821	791	100 928	768	84 425	585	23 395
200 to 499	141	72 831	141	36 786	141	34 939	135	29 120	107	6 925
500 or more	9	13 560	9	6 184	9	6 184	9	4 955	8	2 421
No inventory	12 937	447 856	7 531	100 172	(X)	(X)	7 736	94 046	10 871	253 638

Milk cows	Cattle and calves sales							Dairy product sales	
	Total			Cattle		Calves			
	Farms	Number	Value ($1,000)	Farms	Number	Farms	Number	Farms	Value ($1,000)
Total inventory	6 302	228 037	82 166	5 587	129 292	4 609	98 745	5 755	559 956
Farms with—									
1 to 4	540	4 941	2 052	448	3 368	267	1 573	89	219
5 to 9	225	2 198	809	195	1 138	134	1 060	148	997
10 to 19	634	7 360	2 480	539	4 021	425	3 339	614	10 169
20 to 29	812	14 353	5 071	715	7 989	623	6 364	812	24 607
30 to 49	1 427	34 768	11 655	1 254	18 417	1 114	16 351	1 428	81 951
50 to 99	1 723	73 348	25 544	1 562	39 871	1 342	33 477	1 723	191 107
100 to 199	791	62 747	22 968	733	36 586	592	26 161	791	176 611
200 to 499	141	24 737	9 795	133	15 479	107	9 258	141	63 398
500 or more	9	3 585	1 790	8	2 423	5	1 162	9	10 897
No inventory	11 862	425 769	238 104	10 621	341 212	3 838	84 557	196	8 292

Table 31. Cattle and Calves—Sales by Number Sold Per Farm: 1987

[For meaning of abbreviations and symbols, see introductory text]

Cattle and calves	Cattle and calves			Cattle						Calves		
				Total			Fattened on grain and concentrates					
	Farms	Number	Value ($1,000)	Farms	Number	Value ($1,000)	Farms	Number	Value ($1,000)	Farms	Number	Value ($1,000)
Total sold	18 164	653 806	320 270	16 208	470 504	285 702	7 067	281 874	187 767	8 447	183 302	34 569
Farms with—												
1 to 4	4 196	10 660	5 092	3 599	8 516	4 635	1 959	4 634	2 679	1 038	2 144	456
5 to 9	3 572	24 066	10 479	3 123	17 475	9 142	1 468	8 101	4 664	1 472	6 591	1 337
10 to 19	3 856	52 498	21 504	3 412	35 042	18 421	1 327	13 761	8 149	2 003	17 456	3 083
20 to 49	4 109	124 021	49 937	3 761	78 652	43 053	1 317	28 542	17 829	2 523	45 369	6 884
50 to 99	1 483	99 841	41 638	1 431	65 672	37 334	529	24 047	15 797	953	34 169	4 303
100 to 199	576	76 663	35 410	559	54 790	32 447	230	24 506	16 101	327	21 873	2 963
200 to 499	240	66 413	36 256	216	52 571	33 562	139	35 387	24 151	91	13 842	2 694
500 to 999	64	41 230	24 860	52	31 069	21 199	41	23 640	16 418	23	10 161	3 662
1,000 or more	68	158 414	95 095	55	126 717	85 908	51	119 256	81 979	17	31 697	9 187

Table 32. Hogs and Pigs—Inventory: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Item	1987		1982	
	Farms	Number	Farms	Number
Total hogs and pigs	5 577	1 227 069	7 433	1 064 073
Farms with—				
1 to 24	2 249	19 547	3 776	31 614
25 to 49	680	23 861	899	31 378
50 to 99	717	48 488	794	53 882
100 to 199	635	86 338	737	98 179
200 to 499	660	196 836	677	203 941
500 to 999	352	235 932	323	219 349
1,000 to 1,999	175	230 631	157	197 664
2,000 to 4,999	96	281 506	61	166 781
5,000 or more	13	103 928	9	61 285
Hogs and pigs used or to be used for breeding	3 523	183 586	4 690	155 012
Farms with—				
1 to 24	2 170	19 810	3 438	25 860
25 to 49	506	17 161	530	17 793
50 to 99	401	26 241	346	22 504
100 to 199	247	32 317	233	29 629
200 or more	199	88 057	143	59 226
Other hogs and pigs	5 176	1 043 483	6 884	909 061

Table 33. Hogs and Pigs—Sales: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Item	1987			1982		
	Farms	Number	Value ($1,000)	Farms	Number	Value ($1,000)
Total hogs and pigs sold	5 603	2 215 872	226 148	7 194	1 734 236	182 764
Farms with—						
1 to 24	1 672	15 772	1 743	2 814	26 227	2 891
25 to 49	714	25 315	2 511	1 015	35 586	3 709
50 to 99	731	51 260	4 973	906	63 117	6 232
100 to 199	646	88 076	8 516	809	111 211	11 044
200 to 499	791	245 294	24 186	775	236 953	23 492
500 to 999	504	343 525	34 425	433	301 283	31 617
1,000 to 1,999	310	430 117	44 639	288	388 248	41 283
2,000 to 4,999	176	516 565	55 471	128	365 931	40 051
5,000 or more	59	499 948	49 684	26	205 680	22 444
Feeder pigs sold	1 575	468 706	21 840	2 184	388 321	19 044
Farms with—						
1 to 9	137	734	31	297	1 581	70
10 to 49	466	11 718	497	801	19 728	690
50 to 99	266	18 636	795	358	24 701	1 146
100 to 199	215	29 357	1 275	276	37 922	1 819
200 to 499	260	81 844	3 722	269	78 973	3 768
500 to 999	128	86 069	4 199	103	71 995	3 643
1,000 or more	103	240 348	11 321	80	153 421	7 708
Other hogs and pigs sold	5 265	1 747 166	204 308	6 644	1 345 915	163 720
Farms with—						
1 to 24	2 032	18 033	2 295	(NA)	(NA)	(NA)
25 to 49	670	23 352	2 804	(NA)	(NA)	(NA)
50 to 99	620	42 783	5 051	(NA)	(NA)	(NA)
100 to 199	517	69 205	8 094	(NA)	(NA)	(NA)
200 to 499	616	192 764	22 738	(NA)	(NA)	(NA)
500 to 999	361	246 183	28 917	(NA)	(NA)	(NA)
1,000 to 1,999	253	349 160	41 173	(NA)	(NA)	(NA)
2,000 to 4,999	155	455 991	52 447	(NA)	(NA)	(NA)
5,000 or more	41	349 695	40 788	(NA)	(NA)	(NA)

Table 34. Hogs and Pigs—Litters Farrowed: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Litters	1987		1982	
	Farms	Number of litters	Farms	Number of litters
Litters farrowed between Dec. 1 of preceding year and Nov. 30	3 714	252 915	4 968	202 755
Farms with—				
1 to 9	1 336	5 521	2 516	9 196
10 to 19	611	7 951	771	10 277
20 to 49	729	22 039	795	23 666
50 to 99	415	28 609	350	23 536
100 to 199	304	40 401	305	40 916
200 to 499	225	65 852	182	52 611
500 or more	94	82 542	49	42 553
Dec. 1 of preceding year and May 31	3 312	123 621	4 105	96 569
June 1 and Nov. 30	3 316	129 294	4 137	106 186

Table 35. Hogs and Pigs—Inventory and Sales by Size of Herd: 1987

[For meaning of abbreviations and symbols, see introductory text]

Hogs and pigs	Hogs and pigs inventory						Hogs and pigs sales					
	Total		Used or to be used for breeding		Other hogs and pigs		Total			Feeder pigs		
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Value ($1,000)	Farms	Number	Value ($1,000)
Total inventory	5 577	1 227 069	3 523	183 586	5 176	1 043 483	5 046	2 143 601	218 842	1 526	451 269	20 987
Farms with—												
1 to 9	1 362	5 764	488	1 686	1 108	4 078	631	14 689	1 302	171	5 923	245
10 to 24	887	13 783	553	4 009	792	9 774	887	32 896	2 958	257	11 789	481
25 to 99	1 397	72 349	987	15 062	1 355	57 287	1 397	164 295	14 550	468	60 115	2 612
100 to 199	635	86 338	486	15 441	628	70 897	635	172 086	15 209	245	67 671	3 185
200 to 499	660	196 838	480	27 257	657	169 581	660	352 067	34 960	192	88 014	4 259
500 to 999	352	235 932	272	29 802	352	206 130	352	395 704	42 633	102	66 092	3 394
1,000 or more	284	616 065	257	90 329	284	525 736	284	1 011 864	107 231	91	151 665	6 810
No inventory	(X)	(X)	(X)	(X)	(X)	(X)	557	72 271	7 305	49	17 437	853

Table 36. Hogs and Pigs—Inventory and Sales by Number Sold Per Farm: 1987

[For meaning of abbreviations and symbols, see introductory text]

Hogs and pigs	Hogs and pigs inventory						Hogs and pigs sales					
	Total		Used or to be used for breeding		Other hogs and pigs		Total			Feeder pigs		
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Value ($1,000)	Farms	Number	Value ($1,000)
Total sold	5 046	1 225 407	3 412	183 352	4 710	1 042 055	5 603	2 215 872	226 148	1 575	468 706	21 840
Farms with—												
1 to 9	695	6 324	251	1 194	627	5 130	914	3 993	508	53	264	11
10 to 49	1 298	36 598	776	5 734	1 186	30 864	1 472	37 094	3 746	379	7 802	319
50 to 99	669	36 788	515	6 286	593	30 502	731	51 260	4 973	244	13 242	559
100 to 199	602	60 191	467	9 156	567	51 035	646	88 076	8 516	230	23 412	982
200 to 499	760	147 819	599	21 799	737	126 020	791	245 294	24 186	275	63 323	2 805
500 to 999	487	183 706	370	25 267	477	158 439	504	343 525	34 425	204	89 618	4 327
1,000 or more	535	753 981	434	113 916	523	640 065	545	1 446 630	149 794	190	271 045	12 838
None sold	531	1 662	111	234	466	1 428	(X)	(X)	(X)	(X)	(X)	(X)

Table 37. Hogs and Pigs—Inventory, Sales, and Litters by Total Litters Farrowed: 1987

[For meaning of abbreviations and symbols, see introductory text]

Litters farrowed	Hogs and pigs inventory						Hogs and pigs sales					
	Total		Used or to be used for breeding		Other hogs and pigs		Total			Feeder pigs		
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Value ($1,000)	Farms	Number	Value ($1,000)
Total litters farrowed	3 634	1 035 829	3 523	183 586	3 253	852 243	3 598	1 810 918	179 126	1 575	468 706	21 840
Farms with—												
1	193	1 534	182	404	136	1 130	156	1 962	213	46	336	14
2 to 4	591	10 074	555	2 194	486	7 880	540	13 857	1 391	196	3 218	133
5 to 9	501	17 539	468	3 821	419	13 718	524	26 727	2 422	233	8 872	357
10 to 19	597	37 681	587	7 800	536	29 881	611	57 606	5 429	264	17 274	729
20 to 49	721	104 953	709	18 956	669	85 997	729	173 358	16 483	337	54 019	2 381
50 to 99	411	113 188	408	20 872	402	92 316	415	198 048	18 620	206	70 399	3 251
100 to 199	304	160 079	298	26 754	295	133 325	304	286 879	27 277	157	93 518	4 725
200 or more	316	590 781	316	102 785	310	487 996	319	1 052 481	107 292	136	221 070	10 250
No litters farrowed	1 943	191 240	-	-	1 943	191 240	2 005	404 954	47 022	-	-	-

Litters farrowed	Litters farrowed between Dec. 1, 1986, and Nov. 30, 1987					
	Total		Dec. 1, 1986, and May 31, 1987		June 1, 1987, and Nov. 30, 1987	
	Farms	Litters	Farms	Litters	Farms	Litters
Total litters farrowed	3 714	252 915	3 312	123 621	3 316	129 294
Farms with—						
1	206	206	144	144	62	62
2 to 4	606	1 755	491	851	504	904
5 to 9	524	3 560	430	1 664	463	1 896
10 to 19	611	7 951	557	3 843	569	4 108
20 to 49	729	22 039	690	10 617	701	11 422
50 to 99	415	28 609	397	13 525	407	15 084
100 to 199	304	40 401	291	19 593	300	20 808
200 or more	319	148 394	312	73 384	310	75 010

Table 38. Sheep and Lambs—Inventory and Sales: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Item	1987		1982	
	Farms	Number	Farms	Number
Sheep and lambs inventory	2 057	101 330	2 401	115 517
Farms with—				
1 to 24	1 105	10 932	1 280	11 526
25 to 99	726	35 492	817	40 007
100 to 299	188	28 677	258	38 837
300 to 999	29	14 306	42	20 647
1,000 to 2,499	9	11 923	4	4 500
2,500 or more	-	-	-	-
Ewes 1 year old or older	1 857	62 036	2 103	68 288
Sheep and lambs shorn	1 826	88 134	2 060	101 512
Pounds of wool	(X)	655 169	(X)	782 410
Sheep and lambs sold	1 979	77 152	2 172	88 782
Value of sales from sheep, lambs, and wool ($1,000)	2 072	5 632	2 308	5 207

Table 39. **Sheep and Lambs—Inventory and Sales by Size of Flock: 1987**

[For meaning of abbreviations and symbols, see introductory text]

Sheep and lambs	Sheep and lambs inventory				Sheep and lambs shorn			Sales			
	Total		Ewes 1 year old or older					Sheep and lambs		Sheep, lambs, and wool	
	Farms	Number	Farms	Number	Farms	Number	Pounds of wool	Farms	Number	Farms	Value ($1,000)
Total inventory	2 057	101 330	1 857	62 036	1 763	87 117	648 976	1 830	74 760	1 923	5 461
Farms with—											
1 to 24	1 105	10 932	913	7 327	825	9 601	75 006	878	9 480	971	650
25 to 99	726	35 492	718	24 553	717	31 774	248 133	726	26 706	726	1 958
100 to 299	188	28 677	186	18 576	186	23 811	182 625	188	19 549	188	1 444
300 to 999	29	14 306	27	6 354	27	12 030	83 499	29	8 384	29	685
1,000 to 2,499	9	11 923	8	5 226	8	9 901	59 713	9	10 641	9	725
2,500 to 4,999	-	-	-	-	-	-	-	-	-	-	-
5,000 or more	-	-	-	-	-	-	-	-	-	-	-
No inventory	(X)	(X)	(X)	(X)	63	1 317	6 193	149	2 392	149	171

Table 40. **Sheep and Lambs—Inventory and Sales by Size of Ewe Flock: 1987**

[For meaning of abbreviations and symbols, see introductory text]

Ewes 1 year old or older	Sheep and lambs inventory				Sheep and lambs shorn			Sales			
	Total		Ewes 1 year old or older					Sheep and lambs		Sheep, lambs, and wool	
	Farms	Number	Farms	Number	Farms	Number	Pounds of wool	Farms	Number	Farms	Value ($1,000)
Total inventory	1 857	97 405	1 857	62 036	1 718	88 723	646 379	1 709	71 769	1 789	5 203
Farms with—											
1 to 24	1 145	18 163	1 145	11 412	1 006	16 067	125 309	997	13 925	1 077	972
25 to 99	592	40 178	592	27 552	592	35 987	274 535	592	29 759	592	2 230
100 to 199	88	17 827	88	11 029	88	15 740	119 221	88	12 739	88	891
200 to 499	25	12 509	25	6 975	25	10 855	77 275	25	6 407	25	520
500 to 999	6	(D)	6	(D)	6	(D)	(D)	6	(D)	6	(D)
1,000 to 2,499	1	(D)	1	(D)	1	(D)	(D)	1	(D)	1	(D)
2,500 to 4,999	-	-	-	-	-	-	-	-	-	-	-
5,000 or more	-	-	-	-	-	-	-	-	-	-	-
No inventory	200	3 925	(X)	(X)	108	1 411	8 790	270	5 383	283	429

Table 41. **Other Livestock and Livestock Products—Inventory and Sales: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Item		Inventory		Sales	
		1987	1982	1987	1982
Horses and ponies	farms	9 065	9 539	2 403	2 403
	number	56 836	52 648	7 645	7 808
	$1,000	(X)	(X)	10 057	11 086
Mules, burros, and donkeys	farms	273	150	39	17
	number	589	329	69	27
	$1,000	(X)	(X)	20	7
Colonies of bees	farms	1 163	1 429	78	55
	number	95 314	82 466	7 296	9 857
Honey sold	farms	(X)	(X)	609	466
	pounds	(X)	(X)	5 847 186	4 384 671
Bees and honey sold	farms	(X)	(X)	630	(NA)
	$1,000	(X)	(X)	4 161	3 002
Goats	farms	1 234	1 245	469	505
	number	21 405	11 126	9 252	4 027
Angora goats	farms	275	67	140	14
	number	14 795	3 852	6 223	331
Mohair sold	farms	(X)	(X)	268	53
	pounds	(X)	(X)	144 179	28 384
Angora goats and mohair sold	farms	(X)	(X)	278	(NA)
	$1,000	(X)	(X)	544	154
Milk goats	farms	533	599	173	278
	number	3 844	4 230	1 488	2 135
Goats milk sold	farms	(X)	(X)	51	49
	gallons	(X)	(X)	141 975	72 957
Milk goats and goats milk sold	farms	(X)	(X)	196	(NA)
	$1,000	(X)	(X)	364	199
Other goats	farms	663	649	214	226
	number	2 766	3 044	1 541	1 561
	$1,000	(X)	(X)	56	40
Mink and their pelts	farms	73	55	76	58
	number	77 228	71 569	192 612	156 952
	$1,000	(X)	(X)	8 084	4 236
Rabbits and their pelts	farms	618	482	236	254
	number	20 540	34 332	43 550	66 163
	$1,000	(X)	(X)	451	576
Fish and other aquaculture products sold	farms	(X)	(X)	53	54
	$1,000	(X)	(X)	990	857
Other livestock and livestock products	farms	145	(NA)	113	(NA)
	$1,000	(X)	(X)	10 818	(D)

Table 42. **Crops Harvested and Value of Production: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Crop	1987 Farms	1987 Acres	1987 Quantity	1987 Value of production[1] ($1,000)	1982 Farms	1982 Acres	1982 Quantity	1982 Value of production[1] ($1,000)
Harvested cropland	46 017	6 172 468	(X)	1 590 510	53 738	7 255 909	(X)	1 819 505
Corn for grain or seed (bushels)	25 140	1 982 401	189 779 819	322 626	30 792	2 568 541	256 473 754	564 242
Corn for silage or green chop or cut for dry fodder, hogged or grazed	6 711	294 521	(X)	53 811	9 604	(D)	(X)	101 073
Sorghum for grain or seed (bushels)	31	650	45 539	66	30	844	48 789	88
Sorghum for silage or green chop, cut for dry forage or hay, or hogged or grazed	303	7 948	(X)	986	129	1 610	(X)	209
Wheat for grain (bushels)	10 327	356 073	16 465 394	43 633	15 416	513 445	20 764 229	66 446
Barley for grain (bushels)	1 571	46 090	2 454 284	4 418	1 093	35 108	2 073 250	4 976
Oats for grain (bushels)	11 392	259 445	14 634 547	22 684	16 627	398 618	24 770 648	35 917
Rye for grain (bushels)	822	13 517	375 860	902	938	14 818	391 576	803
Rice (cwt)	-	-	-	-	-	-	-	-
Flaxseed (bushels)	-	-	-	-	1	(D)	(D)	(D)
Sunflower seed (pounds)	67	3 041	3 273 192	196	105	5 541	6 095 118	610
Soybeans for beans (bushels)	12 734	1 023 599	36 267 522	192 218	14 905	1 122 617	34 307 197	183 544
Dry edible beans, excluding dry limas (cwt)	4 098	383 687	4 931 589	66 085	5 841	502 275	7 162 215	101 703
Peanuts for nuts (pounds)	-	-	-	-	-	-	-	-
Cotton (bales)	-	-	-	-	-	-	-	-
Tobacco (pounds)	-	-	-	-	-	-	-	-
Irish potatoes (cwt)	564	44 105	10 109 515	53 075	768	48 703	12 423 578	59 012
Sweetpotatoes (bushels)	4	(D)	1 095	7	4	(D)	(D)	(D)
Pineapples harvested (tons)	-	-	-	-	-	-	-	-
Sugar beets for sugar (tons)	1 435	138 623	2 759 381	81 678	1 351	96 582	1 810 556	47 980
Sugarcane for sugar (tons)	-	-	-	-	-	-	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) (tons, dry)	25 983	1 436 630	3 323 175	215 583	28 522	1 365 495	3 476 731	230 014
Vegetables harvested for sale (see text)	3 267	139 145	(X)	136 925	3 634	126 248	(X)	115 525
Land in orchards	3 791	161 567	(X)	135 663	4 280	165 238	(X)	130 920
Berries harvested for sale	1 427	17 540	(X)	39 094	1 684	15 608	(X)	31 226
Nursery and greenhouse crops, mushrooms, and sod grown for sale (see text)	1 543	22 653	(X)	215 912	1 368	19 846	(X)	139 682
Other crops	659	26 880	(X)	4 948	(NA)	(NA)	(X)	5 438

[1] Data are estimated; see text.

Table 43. **Specified Crops Harvested—Yield Per Acre Irrigated and Nonirrigated: 1987**

[For meaning of abbreviations and symbols, see introductory text]

Crop	Entire crop irrigated: Farms	Entire crop irrigated: Acres	Entire crop irrigated: Average yield per acre	Part of crop irrigated: Farms	Part of crop irrigated: Acres irrigated	Part of crop irrigated: Acres not irrigated	Part of crop irrigated: Average yield per acre	None of crop irrigated: Farms	None of crop irrigated: Acres	None of crop irrigated: Average yield per acre
Corn for grain or seed (bushels)	373	55 089	128.3	606	79 615	101 362	111.0	24 161	1 746 335	93.1
Corn for silage or green chop (tons, green)	66	3 714	18.4	50	2 093	2 670	13.6	6 588	285 846	12.1
Sorghum for grain or seed (bushels)	-	-	-	-	-	-	-	31	650	70.1
Wheat for grain (bushels)	54	3 315	47.2	26	2 536	1 809	46.4	10 247	348 413	46.2
Oats for grain (bushels)	34	849	56.9	11	154	256	47.4	11 347	258 186	56.4
Barley for grain (bushels)	3	(D)	(D)	1	(D)	(D)	(D)	1 567	46 023	53.3
Rice (cwt)	-	-	-	-	-	-	-	-	-	-
Soybeans for beans (bushels)	150	11 145	47.1	171	12 933	18 905	39.4	12 413	980 616	35.2
Peanuts for nuts (pounds)	-	-	-	-	-	-	-	-	-	-
Dry edible beans, excluding dry limas (cwt)	57	6 500	14.1	56	5 818	6 572	10.9	3 985	364 797	12.9
Cotton (bales)	-	-	-	-	-	-	-	-	-	-
Tobacco (pounds)	-	-	-	-	-	-	-	-	-	-
Irish potatoes (cwt)	152	16 201	272.7	78	7 665	7 369	218.2	334	12 870	187.3
Sugar beets for sugar (tons)	17	828	21.4	23	1 049	1 575	21.3	1 395	135 171	19.9
Sugarcane for sugar (tons)	-	-	-	-	-	-	-	-	-	-
Alfalfa hay (tons, dry)	99	4 083	4.1	96	3 478	6 991	3.4	22 244	956 531	2.6
Small grain hay (tons, dry)	11	374	1.7	-	-	-	-	1 588	32 680	1.7
Tame hay other than alfalfa, small grain, and wild hay (see text) (tons, dry)	13	274	2.5	5	63	456	1.8	4 224	151 205	1.7
Wild hay (tons, dry)	6	92	1.9	-	-	-	-	1 004	23 672	1.2
Grass silage, haylage, and green chop hay (tons, green)	17	(D)	(D)	44	(D)	(D)	(D)	3 457	247 310	5.5
Alfalfa seed (pounds)	-	-	-	-	-	-	-	14	418	58.5
Vegetables harvested for sale (see text)	569	29 419	(X)	339	24 361	20 097	(X)	2 359	65 268	(X)
Land in orchards	199	6 000	(X)	305	11 816	24 246	(X)	3 287	119 506	(X)
Strawberries harvested for sale (pounds)	331	2 315	5 517.3	16	46	74	3 186.9	185	477	2 919.7

[For meaning of abbreviations and symbols, see introductory text]

Crop	1987					1982				
				Irrigated land					Irrigated land	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
Corn for grain or seed (bushels)	25 140	1 982 401	189 779 819	979	134 704	30 792	2 568 541	256 473 754	814	135 474
1 to 14 acres	6 054	49 780	3 902 868	48	344	7 229	57 577	4 537 240	34	204
15 to 24 acres	4 081	77 031	6 323 305	44	778	4 498	85 182	7 294 408	21	299
25 to 49 acres	5 315	185 343	15 845 847	76	2 283	6 359	219 925	19 707 885	41	1 286
50 to 99 acres	4 254	292 511	26 415 343	179	10 233	5 514	377 208	35 662 080	97	5 097
100 to 249 acres	3 689	560 301	54 208 744	309	32 983	4 926	733 309	72 675 143	275	25 199
250 to 499 acres	1 229	414 120	41 032 704	209	40 248	1 614	536 977	56 232 613	205	38 256
500 to 999 acres	427	275 216	28 170 086	92	29 051	513	333 070	35 612 524	105	33 151
1,000 acres or more	91	128 099	13 880 922	22	18 784	139	225 293	24 751 861	36	31 982
1,000 to 1,999 acres	77	(X)	(X)	16	(X)	116	(X)	(X)	27	(X)
2,000 to 2,999 acres	13	(X)	(X)	5	(X)	23	(X)	(X)	9	(X)
3,000 to 4,999 acres	1	(X)	(X)	1	(X)					
5,000 acres or more	-	(X)	(X)	-	(X)					
Corn for silage or green chop (tons, green)	6 704	294 323	3 585 942	116	5 807	9 603	391 235	5 209 449	108	5 095
1 to 14 acres	1 911	15 259	172 231	17	155	3 262	25 160	295 712	15	109
15 to 24 acres	1 226	23 063	277 365	12	208	1 690	31 462	398 040	10	167
25 to 49 acres	1 612	54 700	640 748	22	581	2 179	73 681	941 728	18	509
50 to 99 acres	1 238	81 126	943 949	32	1 280	1 564	101 236	1 309 065	30	1 112
100 to 249 acres	622	82 781	1 033 486	30	2 960	786	106 601	1 416 488	26	1 830
250 to 499 acres	75	23 135	305 643	2	(D)	94	30 499	442 575	8	(D)
500 to 999 acres	17	10 759	146 320	1	(D)	20	12 743	229 557	1	(D)
1,000 acres or more	3	3 500	66 200	-	-	8	9 853	176 284	-	-
Wheat for grain (bushels)	10 327	356 073	16 465 394	80	5 851	15 416	513 445	20 764 229	59	5 041
1 to 14 acres	3 559	31 056	1 290 798	12	116	5 273	45 909	1 689 166	11	78
15 to 24 acres	2 340	44 036	1 930 478	8	130	3 641	68 062	2 589 460	10	175
25 to 49 acres	2 372	81 467	3 727 027	19	596	3 600	121 691	4 832 848	9	237
50 to 99 acres	1 404	92 721	4 447 199	21	1 020	1 976	130 284	5 398 307	13	621
100 to 249 acres	583	80 844	3 885 668	17	(D)	837	113 572	4 807 294	10	1 284
250 to 499 acres	58	17 842	815 315	1	(D)	74	23 410	1 009 394	4	(D)
500 to 999 acres	10	(D)	(D)	1	(D)	13	(D)	(D)	1	(D)
1,000 acres or more	1	(D)	(D)	1	(D)	2	(D)	(D)	1	(D)
1,000 to 1,999 acres	-	(X)	(X)	-	(X)	2	(X)	(X)	1	(X)
2,000 to 2,999 acres	1	(X)	(X)	1	(X)	-	(X)	(X)	-	(X)
3,000 to 4,999 acres	-	(X)	(X)	-	(X)					
5,000 acres or more	-	(X)	(X)	-	(X)					
Barley for grain (bushels)	1 571	46 090	2 454 284	4	64	1 093	35 108	2 073 250	3	18
Oats for grain (bushels)	11 392	259 445	14 634 547	45	1 003	16 627	398 618	24 770 648	42	529
1 to 14 acres	5 433	44 321	2 289 658	18	138	7 296	59 405	3 243 577	19	120
15 to 24 acres	2 649	49 180	2 666 752	8	115	4 030	74 920	4 441 338	11	160
25 to 49 acres	2 155	72 119	4 139 484	13	350	3 525	118 448	7 491 553	9	198
50 to 99 acres	902	57 512	3 384 084	3	125	1 376	88 746	5 777 470	3	51
100 to 249 acres	238	30 375	1 861 223	3	275	377	48 482	3 198 255	-	-
250 to 499 acres	12	3 595	170 700	-	-	18	5 495	373 490	-	-
500 to 999 acres	2	(D)	(D)	-	-	5	3 122	244 965	-	-
1,000 acres or more	1	(D)	(D)	-	-	-	-	-	-	-
Soybeans for beans (bushels)	12 734	1 023 599	36 267 622	321	24 078	14 905	1 122 617	34 307 197	278	24 942
1 to 14 acres	1 927	17 223	541 871	24	227	2 314	20 739	559 714	18	137
15 to 24 acres	1 870	35 753	1 149 096	25	476	2 406	45 559	1 255 317	26	442
25 to 49 acres	3 109	108 947	3 604 867	43	1 314	3 733	130 129	3 670 307	34	879
50 to 99 acres	2 798	190 943	6 553 559	70	3 768	3 142	213 721	6 255 790	43	2 097
100 to 249 acres	2 220	333 891	11 912 055	110	9 556	2 470	369 257	11 442 684	93	8 525
250 to 499 acres	621	206 403	7 677 190	40	6 227	656	215 593	6 907 144	51	9 571
500 to 999 acres	171	106 760	3 933 486	9	2 510	165	103 883	3 405 651	12	(D)
1,000 acres or more	18	23 679	895 498	-	-	19	23 736	810 590	1	(D)
1,000 to 1,999 acres	15	(X)	(X)	-	(X)	19	(X)	(X)	1	(X)
2,000 to 2,999 acres	3	(X)	(X)	-	(X)	-	(X)	(X)	-	(X)
3,000 to 4,999 acres	-	(X)	(X)	-	(X)					
5,000 acres or more	-	(X)	(X)	-	(X)					
Dry edible beans, excluding dry limas (cwt)	4 098	383 687	4 931 689	113	12 318	5 841	502 275	7 162 215	89	10 302
1 to 14 acres	497	4 205	53 437	9	67	758	6 572	91 396	8	40
15 to 24 acres	537	10 300	126 444	10	178	756	14 399	208 417	2	(D)
25 to 49 acres	866	30 761	390 476	13	367	1 321	46 566	659 239	7	255
50 to 99 acres	936	64 413	824 362	14	669	1 355	93 993	1 330 258	15	765
100 to 249 acres	912	138 268	1 763 699	43	4 678	1 247	185 835	2 589 502	30	2 985
250 to 499 acres	290	94 103	1 225 907	19	4 009	334	110 285	1 595 614	24	4 873
500 to 999 acres	54	33 301	411 265	4	(D)	67	41 053	625 289	2	(D)
1,000 acres or more	6	8 336	136 099	1	(D)	3	3 572	62 500	1	(D)
Irish potatoes (cwt)	564	44 105	10 109 515	230	23 866	768	48 703	12 423 578	237	26 556
0.1 to 0.9 acres	87	31	4 785	19	8	192	65	10 026	17	5
1.0 to 4.9 acres	117	227	40 052	22	36	175	344	58 446	28	63
5.0 to 14.9 acres	53	438	75 671	14	130	75	600	108 584	11	95
15.0 to 24.9 acres	20	359	63 478	4	71	31	579	130 502	9	170
25.0 to 49.9 acres	65	2 354	422 024	18	584	47	1 699	410 020	12	388
50.0 to 99.9 acres	60	4 141	844 502	36	1 877	83	5 935	1 311 773	46	2 874
100.0 to 249.9 acres	116	17 821	4 000 000	80	9 546	116	18 275	4 620 627	74	9 447
250.0 to 499.9 acres	38	12 505	3 152 364	31	8 031	40	13 228	3 539 537	31	8 077
500.0 acres or more	8	6 229	1 506 633	6	3 584	9	7 978	2 234 063	9	5 438
Sugar beets for sugar (tons)	1 435	138 623	2 759 381	40	1 877	1 351	96 582	1 810 556	14	550
1 to 14 acres	84	832	17 115	-	-	142	1 339	25 447	-	-
15 to 24 acres	188	3 676	72 499	4	70	213	3 993	75 717	1	(D)
25 to 49 acres	341	12 082	241 419	11	334	366	12 842	239 270	5	(D)
50 to 99 acres	350	23 949	479 581	15	726	311	21 665	408 229	5	269
100 to 249 acres	359	54 897	1 [illegible]80 240	7	515	264	37 680	704 212	3	115
250 to 499 acres	94	30 393	610 672	3	232	51	16 110	302 747	-	-
500 to 999 acres	18	(D)	(D)	-	-	4	2 953	54 934	-	-
1,000 acres or more	1	(D)	(D)	-	-	-	-	-	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)(tons, dry)	25 983	1 436 630	3 323 175	246	11 710	28 522	1 365 495	3 476 731	139	5 373
1 to 14 acres	7 577	62 458	126 962	45	328	9 068	72 844	162 736	43	311
15 to 24 acres	4 482	83 598	169 180	21	340	5 076	94 635	210 283	15	181
25 to 49 acres	5 536	189 911	397 518	41	1 050	6 023	206 483	487 986	16	435
50 to 99 acres	4 167	281 265	649 737	47	1 974	4 474	301 844	778 453	20	808
100 to 249 acres	3 358	494 740	1 210 270	54	3 453	3 287	475 126	1 284 682	32	1 604
250 to 499 acres	740	240 191	587 708	28	2 526	517	162 348	429 453	9	1 344
500 to 999 acres	111	69 457	149 761	10	2 039	71	43 509	93 020	4	690
1,000 acres or more	12	15 010	32 039	-	-	6	8 706	30 118	-	-
1,000 to 1,999 acres	12	(X)	(X)	-	(X)	5	(X)	(X)	-	(X)

Table 44. **Specified Crops by Acres Harvested: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Crop	1987					1982				
				Irrigated land					Irrigated land	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)(tons, dry)—Con.										
2,000 to 2,999 acres	-	(X)	(X)	-	(X)	1	(X)	(X)	-	(X)
3,000 to 4,999 acres	-	(X)	(X)	-	(X)					
5,000 acres or more	-	(X)	(X)	-	(X)					
Alfalfa hay (tons, dry)	22 439	971 083	2 499 478	195	7 561	24 290	950 169	2 711 102	111	3 713
1 to 14 acres	7 149	58 737	125 874	38	269	8 293	66 688	160 564	38	279
15 to 24 acres	4 108	76 619	167 966	20	315	4 508	83 724	205 820	17	245
25 to 49 acres	5 037	172 506	401 260	52	1 328	5 323	181 625	479 791	12	364
50 to 99 acres	3 533	233 833	605 511	36	1 628	3 815	252 486	734 556	19	775
100 to 249 acres	2 301	316 751	879 585	37	2 329	2 115	284 859	880 741	21	(D)
250 to 499 acres	276	87 863	258 913	10	(D)	211	64 793	207 991	1	(D)
500 to 999 acres	30	18 849	42 684	2	(D)	24	(D)	(D)	3	550
1,000 acres or more	5	5 925	17 685	-	-	1	(D)	(D)	-	-
1,000 to 1,999 acres	5	(X)	(X)	-	(X)	1	(X)	(X)	-	(X)
2,000 to 2,999 acres	-	(X)	(X)	-	(X)	-	(X)	(X)	-	(X)
3,000 to 4,999 acres	-	(X)	(X)	-	(X)					
5,000 acres or more	-	(X)	(X)	-	(X)					
Small grain hay (tons, dry)	1 599	33 054	55 429	11	374	1 407	28 158	51 893	4	(D)
Tame hay other than alfalfa, small grain, and wild hay (see text)(tons, dry)	4 242	151 998	263 925	18	337	5 149	148 853	251 407	7	96
Wild hay (tons, dry)	1 010	23 764	27 512	6	92	1 025	19 837	24 725	1	(D)
Grass silage, haylage, and green chop hay (tons, green)	3 518	256 731	1 430 441	61	3 346	3 909	218 478	1 312 877	29	1 412
Field seed and grass seed crops	370	14 596	(X)	2	(D)	617	15 101	(X)	1	(D)
Red clover seed (pounds)	252	4 833	554 438	-	-	525	9 452	1 214 617	1	(D)
Vegetables harvested for sale (see text)	3 267	139 145	(X)	908	53 780	3 634	126 248	(X)	778	43 149
0.1 to 0.9 acres	172	76	(X)	45	22	220	95	(X)	40	17
1.0 to 4.9 acres	895	2 255	(X)	179	394	1 090	2 640	(X)	156	310
5.0 to 14.9 acres	772	6 489	(X)	157	1 060	906	7 496	(X)	161	1 043
15.0 to 24.9 acres	350	6 611	(X)	97	1 351	376	7 034	(X)	79	1 113
25.0 to 49.9 acres	423	14 709	(X)	136	3 826	444	15 241	(X)	99	2 662
50.0 to 99.9 acres	324	21 661	(X)	121	6 521	325	21 924	(X)	106	5 559
100.0 to 249.9 acres	235	35 124	(X)	106	11 798	208	30 996	(X)	93	9 670
250.0 to 499.9 acres	70	22 810	(X)	48	10 007	50	16 438	(X)	32	5 857
500.0 to 749.9 acres	14	8 393	(X)	8	(D)	8	5 306	(X)	6	2 584
750.0 to 999.9 acres	3	2 435	(X)	2	(D)					
1,000.0 acres or more	9	18 582	(X)	9	14 237	7	(X)	(X)	6	(X)
1,000.0 to 1,999.9 acres	7	(X)	(X)	7	(X)					
2,000.0 to 2,999.9 acres	1	(X)	(X)	1	(X)					
3,000.0 acres or more	1	(X)	(X)	1	(X)					
Snap beans	510	21 198	(X)	154	8 557	665	18 444	(X)	142	6 931
Sweet corn	1 214	13 847	(X)	286	4 648	1 503	12 740	(X)	246	3 020
Cucumbers and pickles	577	24 558	(X)	230	10 401	585	17 012	(X)	175	5 525
Tomatoes	820	9 138	(X)	239	2 557	1 020	12 657	(X)	221	3 217
Berries harvested for sale	1 427	17 540	(X)	658	8 483	1 684	15 608	(X)	650	6 488
0.1 to 0.9 acres	232	86	(X)	63	25	420	142	(X)	93	34
1.0 to 4.9 acres	539	1 221	(X)	232	523	622	1 373	(X)	234	524
5.0 to 14.9 acres	366	2 973	(X)	180	1 255	363	3 034	(X)	175	1 310
15.0 to 24.9 acres	106	1 936	(X)	64	1 048	118	2 128	(X)	60	1 028
25.0 to 49.9 acres	105	3 494	(X)	65	1 717	98	3 208	(X)	50	1 453
50.0 to 99.9 acres	57	3 784	(X)	39	2 178	49	3 099	(X)	30	1 253
100.0 acres or more	22	4 047	(X)	15	1 738	14	2 625	(X)	8	886
Tame blueberries (pounds)	711	13 712	48 045 132	257	5 682	681	11 079	36 356 998	143	3 086
Strawberries (pounds)	532	2 911	14 542 849	347	2 360	759	3 639	18 629 702	445	3 048
Land in orchards	3 791	161 567	(X)	504	17 815	4 280	165 238	(X)	445	14 316
0.1 to 0.9 acres	173	78	(X)	21	9	194	87	(X)	16	6
1.0 to 4.9 acres	955	2 243	(X)	85	178	1 109	2 619	(X)	71	161
5.0 to 14.9 acres	873	7 405	(X)	68	441	1 041	8 841	(X)	40	278
15.0 to 24.9 acres	388	7 221	(X)	28	298	438	8 077	(X)	27	369
25.0 to 49.9 acres	497	17 330	(X)	86	1 555	593	20 579	(X)	78	1 394
50.0 to 99.9 acres	445	30 574	(X)	84	2 897	470	33 052	(X)	68	2 265
100.0 to 249.9 acres	365	54 206	(X)	98	5 892	344	51 098	(X)	107	5 334
250.0 to 499.9 acres	72	24 911	(X)	25	2 943	69	22 333	(X)	26	2 613
500.0 to 749.9 acres	14	8 234	(X)	3	252	16	11 329	(X)	10	1 398
750.0 to 999.9 acres	5	4 087	(X)	4	(D)					
1,000.0 acres or more	4	5 279	(X)	2	(D)	6	(X)	(X)	2	(X)
1,000.0 to 1,999.9 acres	4	(X)	(X)	2	(X)					
2,000.0 to 2,999.9 acres	-	(X)	(X)	-	(X)					
3,000.0 acres or more	-	(X)	(X)	-	(X)					

Table 45. Specified Fruits and Nuts by Acres: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Crop	Total			Trees or vines not of bearing age		Trees or vines of bearing age		Harvested	
	Farms	Acres	Trees or vines	Farms	Number	Farms	Number	Farms	Pounds
Apples 1987	2 516	73 244	6 574 958	1 453	1 401 081	2 318	5 173 877	1 954	918 227 402
1982	2 788	69 715	5 592 196	1 599	1 323 923	2 499	4 268 273	2 099	916 246 739
1987 acres harvested:									
0.1 to 0.9 acres	300	111	7 356	193	3 048	240	4 308	149	416 996
1.0 to 4.9 acres	715	1 607	123 822	362	32 801	621	91 021	457	6 858 548
5.0 to 14.9 acres	551	4 678	378 892	280	86 716	522	292 176	450	30 385 561
15.0 to 24.9 acres	244	4 561	389 129	127	85 565	236	303 564	215	37 050 749
25.0 to 49.9 acres	284	9 763	875 402	165	187 621	279	687 781	263	100 831 857
50.0 to 99.9 acres	232	15 904	1 399 901	170	280 178	230	1 119 723	228	207 577 634
100.0 acres or more	190	36 619	3 400 456	156	725 152	190	2 675 304	190	535 106 057
100.0 to 249.9 acres	154	(X)	(X)	125	(X)	154	(X)	154	(X)
250.0 to 499.9 acres	28	(X)	(X)	25	(X)	28	(X)	28	(X)
500.0 acres or more	8	(X)	(X)	6	(X)	8	(X)	8	(X)
1982 acres harvested:									
0.1 to 0.9 acres	376	132	8 154	241	3 583	266	4 571	187	461 535
1.0 to 4.9 acres	825	1 908	108 029	426	37 611	705	70 418	502	7 309 868
5.0 to 14.9 acres	597	4 986	334 670	292	89 203	555	245 467	480	37 279 288
15.0 to 24.9 acres	266	5 004	354 551	145	89 330	257	265 221	228	44 940 020
25.0 to 49.9 acres	315	10 786	795 685	194	175 718	308	619 967	299	134 239 000
50.0 to 99.9 acres	242	16 165	1 249 627	174	303 013	241	946 614	237	207 662 856
100.0 acres or more	167	30 735	2 741 480	127	625 465	167	2 116 015	166	484 354 172
100.0 to 249.9 acres	138	(X)	(X)	105	(X)	138	(X)	137	(X)
250.0 to 499.9 acres	23	(X)	(X)	16	(X)	23	(X)	23	(X)
500.0 acres or more	6	(X)	(X)	6	(X)	6	(X)	6	(X)
Cherries, total (see text) 1987	1 690	59 741	5 674 833	1 075	1 365 783	1 546	4 309 050	1 316	254 177 979
1982	2 075	65 372	5 768 435	1 426	2 096 455	1 817	3 671 980	1 559	231 363 502
1987 acres harvested:									
0.1 to 0.9 acres	260	78	4 829	161	2 001	174	2 828	95	98 927
1.0 to 4.9 acres	260	651	52 924	134	13 960	238	38 964	168	1 596 252
5.0 to 14.9 acres	303	2 677	244 598	146	64 788	282	179 810	230	8 321 199
15.0 to 24.9 acres	216	4 155	376 207	135	85 726	210	290 481	187	15 676 739
25.0 to 49.9 acres	279	9 771	931 310	195	231 259	272	700 051	269	41 734 031
50.0 to 99.9 acres	233	15 822	1 546 849	191	398 511	231	1 148 338	230	65 374 880
100.0 acres or more	139	26 587	2 518 116	113	569 538	139	1 948 578	137	121 375 951
100.0 to 249.9 acres	118	(X)	(X)	95	(X)	118	(X)	116	(X)
250.0 to 499.9 acres	15	(X)	(X)	14	(X)	15	(X)	15	(X)
500.0 acres or more	6	(X)	(X)	4	(X)	6	(X)	6	(X)
1982 acres harvested:									
0.1 to 0.9 acres	373	80	4 666	242	2 399	225	2 267	117	58 780
1.0 to 4.9 acres	355	854	69 154	174	20 749	316	48 405	235	2 182 848
5.0 to 14.9 acres	422	3 789	339 754	244	119 341	383	220 413	348	12 674 664
15.0 to 24.9 acres	235	4 439	386 977	173	149 884	214	237 093	193	13 246 011
25.0 to 49.9 acres	322	11 131	1 005 084	266	360 367	312	644 717	300	38 557 363
50.0 to 99.9 acres	210	14 383	1 244 108	177	425 338	210	818 770	209	52 285 906
100.0 acres or more	158	30 697	2 718 692	150	1 018 377	157	1 700 315	157	112 357 930
100.0 to 249.9 acres	131	(X)	(X)	123	(X)	130	(X)	130	(X)
250.0 to 499.9 acres	18	(X)	(X)	18	(X)	18	(X)	18	(X)
500.0 acres or more	9	(X)	(X)	9	(X)	9	(X)	9	(X)
Grapes (see text) (fresh weight) 1987	989	11 932	6 040 759	194	221 069	938	5 819 690	762	103 130 824
1982	1 317	12 787	6 468 085	292	293 831	1 232	6 174 254	953	94 866 073
1987 acres harvested:									
0.1 to 0.9 acres	243	62	21 130	77	3 532	213	17 598	118	117 518
1.0 to 4.9 acres	224	545	241 182	36	16 150	213	225 032	170	2 983 198
5.0 to 14.9 acres	303	2 568	1 283 235	42	66 267	296	1 216 968	262	18 782 825
15.0 to 24.9 acres	95	1 743	885 437	14	40 522	93	844 915	90	13 915 165
25.0 to 49.9 acres	74	2 401	1 210 836	14	55 970	73	1 154 866	72	20 290 798
50.0 to 99.9 acres	38	2 600	1 310 370	7	18 881	38	1 291 489	38	24 645 320
100.0 acres or more	12	2 014	1 088 569	4	19 747	12	1 068 822	12	22 396 000
1982 acres harvested:									
0.1 to 0.9 acres	336	80	30 748	120	3 745	275	27 003	120	83 054
1.0 to 4.9 acres	355	860	396 266	71	18 766	338	377 500	250	3 956 274
5.0 to 14.9 acres	386	3 211	1 559 205	50	69 851	380	1 489 354	349	22 258 158
15.0 to 24.9 acres	110	2 022	1 019 544	20	62 699	109	956 845	106	14 720 101
25.0 to 49.9 acres	80	2 570	1 316 981	20	59 935	80	1 257 046	78	19 792 986
50.0 to 99.9 acres	41	2 801	1 459 681	7	55 925	41	1 403 756	41	22 651 020
100.0 acres or more	9	1 243	685 660	4	22 910	9	662 750	9	11 404 480
Peaches 1987	1 210	10 616	1 131 575	550	223 611	1 086	907 964	913	64 202 375
1982	1 355	10 436	1 055 893	885	299 043	1 060	756 850	874	45 232 818
1987 acres harvested:									
0.1 to 0.9 acres	291	85	6 756	152	2 212	213	4 544	150	299 287
1.0 to 4.9 acres	423	981	94 637	150	19 628	390	75 009	314	3 082 606
5.0 to 14.9 acres	291	2 387	251 962	121	44 689	283	207 273	255	11 665 037
15.0 to 24.9 acres	98	1 791	192 346	55	36 555	95	155 791	89	8 582 494
25.0 to 49.9 acres	75	2 448	266 580	46	54 955	73	211 625	73	17 189 535
50.0 to 99.9 acres	22	1 414	154 644	17	35 096	22	119 548	22	12 567 096
100.0 acres or more	10	1 512	164 650	9	30 476	10	134 174	10	10 816 320
1982 acres harvested:									
0.1 to 0.9 acres	386	109	7 467	267	3 711	219	3 756	139	126 726
1.0 to 4.9 acres	446	1 019	96 451	268	37 877	346	58 574	269	2 188 469
5.0 to 14.9 acres	330	2 624	251 751	195	75 668	306	176 083	291	11 087 996
15.0 to 24.9 acres	94	1 714	169 618	75	49 802	90	119 816	80	6 286 482
25.0 to 49.9 acres	69	2 271	233 538	54	61 660	69	171 878	66	10 771 265
50.0 to 99.9 acres	21	1 367	149 862	18	38 032	21	111 830	21	7 951 230
100.0 acres or more	9	1 333	147 206	8	32 293	9	114 913	8	6 820 650
Pears 1987	456	1 554	145 760	140	10 107	383	135 653	319	11 068 648
1982	676	2 286	203 139	217	9 387	560	193 752	440	15 529 264
1987 acres harvested:									
0.1 to 0.9 acres	176	47	3 140	92	1 227	115	1 913	77	99 854
1.0 to 4.9 acres	188	438	36 039	33	3 399	177	32 640	155	2 378 228
5.0 to 14.9 acres	73	568	53 503	11	2 889	72	50 614	69	5 056 826
15.0 to 24.9 acres	12	209	20 653	3	(D)	12	(D)	11	1 878 296
25.0 to 49.9 acres	6	(D)	(D)	1	(D)	6	(D)	6	(D)
50.0 to 99.9 acres	-	-	-	-	-	-	-	-	-
100.0 acres or more	1	(D)	(D)	-	-	1	(D)	1	(D)
1982 acres harvested:									
0.1 to 0.9 acres	285	66	3 828	151	1 390	188	2 438	126	156 306
1.0 to 4.9 acres	245	530	43 606	45	3 260	229	40 346	186	3 113 222
5.0 to 14.9 acres	117	912	79 818	13	2 195	115	77 623	101	6 165 865
15.0 to 24.9 acres	17	302	27 550	5	2 367	16	25 183	15	2 078 734
25.0 to 49.9 acres	10	(D)	(D)	3	175	10	(D)	10	(D)
50.0 to 99.9 acres	1	(D)	(D)	-	-	1	(D)	1	(D)
100.0 acres or more	1	(D)	(D)	-	-	1	(D)	1	(D)

Table 45. **Specified Fruits and Nuts by Acres: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Crop		Total			Trees or vines not of bearing age		Trees or vines of bearing age		Harvested	
		Farms	Acres	Trees or vines	Farms	Number	Farms	Number	Farms	Pounds
Plums and prunes (see text) (fresh weight)	1987	543	3 926	385 877	208	70 713	481	315 164	418	21 034 228
	1982	749	4 159	387 558	334	89 441	626	298 117	545	16 347 044

Table 46. **Nursery and Greenhouse Crops, Mushrooms, and Sod Grown for Sale by Value of Sales: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Crop		Under glass or other protection		In the open		Sales	
		Farms	Square feet	Farms	Acres	Farms	Value ($1,000)
Nursery and greenhouse crops, mushrooms, and sod grown for sale (see text)	1987	796	34 111 102	966	21 873	1 543	215 912
	1982	709	23 821 753	825	19 300	1 368	139 582
1987 value of sales:							
$1 to $2,499 sales		66	151 113	151	235	207	263
$2,500 to $9,999 sales		157	534 029	263	821	377	1 948
$10,000 to $39,999 sales		183	1 399 802	261	2 001	396	8 089
$40,000 to $99,999 sales		125	2 533 625	122	2 074	205	12 676
$100,000 to $199,999 sales		105	3 947 299	69	3 068	148	20 641
$200,000 to $499,999 sales		95	7 109 728	60	4 873	129	38 720
$500,000 to $999,999 sales		42	5 906 084	22	1 806	51	33 859
$1,000,000 sales or more		23	12 529 422	18	6 996	30	99 716
Bedding plants	1987	565	16 333 656	117	741	613	65 708
	1982	514	12 971 418	80	409	554	37 286
1987 value of sales:							
$1 to $2,499 sales		63	53 350	20	8	76	87
$2,500 to $9,399 sales		121	357 789	24	30	135	739
$10,000 to $39,999 sales		138	1 134 438	23	78	148	3 157
$40,000 to $99,999 sales		90	1 855 696	16	170	96	5 997
$100,000 to $199,999 sales		59	2 546 278	12	91	61	8 427
$200,000 to $499,999 sales		67	5 493 605	12	198	70	20 816
$500,000 sales or more		27	4 892 500	10	166	27	26 485
Bulbs	1987	14	108 610	11	(D)	25	1 551
	1982	18	123 355	23	770	39	2 602
Cut flowers and cut florist greens	1987	66	1 238 314	99	1 100	153	12 265
	1982	57	1 007 926	74	559	129	5 658
Foliage and potted flowering plants, total	1987	271	5 822 782	99	334	340	33 872
	1982	200	4 937 691	105	481	281	24 640
Foliage plants	1987	76	681 061	18	111	89	5 569
Potted flowering plants	1987	240	5 141 721	87	223	299	28 302
1987 value of sales:							
$1 to $2,499 sales		25	20 776	29	13	51	61
$2,500 to $9,999 sales		47	134 744	27	46	66	350
$10,000 to $39,999 sales		62	495 722	14	32	72	1 395
$40,000 to $99,999 sales		49	767 160	7	68	52	3 132
$100,000 sales or more		57	3 723 319	10	65	58	23 364
Mushrooms	1987	9	(D)	(X)	(X)	9	(D)
	1982	9	1 608 420	(X)	(X)	9	14 970
Nursery crops	1987	102	7 104 974	636	12 176	662	75 248
	1982	79	2 444 830	526	11 407	547	46 862
1987 value of sales:							
$1 to $2,499 sales		5	2 174	92	203	95	128
$2,500 to $9,999 sales		22	88 554	190	615	195	986
$10,000 to $39,999 sales		24	188 121	195	1 445	204	4 101
$40,000 to $99,999 sales		24	327 416	80	1 510	86	5 145
$100,000 to $199,999 sales		6	(D)	35	1 342	35	4 753
$200,000 to $499,999 sales		13	(D)	26	1 353	29	8 185
$500,000 sales or more		8	5 917 681	18	5 709	18	51 950
Sod harvested	1987	(X)	(X)	64	6 954	64	9 736
	1982	(X)	(X)	89	5 628	89	6 734

Table 47. **Farms by Concentration of Market Value of Agricultural Products Sold: 1987**

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		All farms	Fewest number of farms accounting for—			
			10 percent of sales	25 percent of sales	50 percent of sales	75 percent of sales
Farms	number	51 172	61	530	2 529	7 222
	percent	100.0	.1	1.0	4.9	14.1
Land in farms	acres	10 316 861	105 416	681 186	2 273 031	4 594 227
Average size of farm	acres	202	1 728	1 285	899	636
Value of land and buildings[1]	farms	51 175	61	530	2 528	7 306
	$1,000	10 033 617	165 801	786 309	2 346 295	4 515 899
Average per farm	dollars	196 065	2 718 049	1 483 602	928 123	618 108
Average per acre	dollars	971	1 573	1 154	1 031	969
Estimated market value of all machinery and equipment	$1,000	2 347 585	43 786	175 337	553 477	1 103 896
	percent	100.0	1.9	7.5	23.6	47.0
Land in farms according to use:						
Total cropland	acres	8 181 320	86 826	596 817	2 013 033	4 002 563
Harvested cropland	acres	6 172 468	70 752	492 113	1 670 428	3 287 701
Pastureland, excluding woodland pastured	acres	748 663	7 084	28 108	74 078	177 098
Market value of agricultural products sold	$1,000	2 545 078	255 615	636 689	1 272 693	1 908 878
Average per farm	dollars	49 736	4 190 417	1 201 300	503 240	264 314
Grains	farms	25 844	32	327	1 722	4 769
	$1,000	578 016	6 165	53 341	180 823	342 839
Cotton and cottonseed	farms	-	-	-	-	-
	$1,000	-	-	-	-	-
Tobacco	farms	-	-	-	-	-
	$1,000	-	-	-	-	-
Hay, silage, and field seeds	farms	11 876	6	68	353	1 104
	$1,000	53 956	(D)	2 728	7 498	15 847
Vegetables, sweet corn, and melon	farms	3 267	8	96	375	745
	$1,000	136 925	14 518	50 437	86 698	109 451
Fruits, nuts, and berries	farms	3 926	3	56	264	707
	$1,000	163 847	3 517	28 786	74 844	118 747
Nursery and greenhouse crops	farms	1 543	17	82	221	432
	$1,000	215 912	83 208	131 145	170 338	196 446
Other crops	farms	2 007	4	80	397	942
	$1,000	124 146	3 586	28 696	74 602	107 362
Poultry and poultry products	farms	2 063	16	49	117	256
	$1,000	116 432	70 495	93 153	105 288	112 840
Dairy products	farms	5 951	4	110	937	2 996
	$1,000	568 249	5 131	59 181	250 630	470 403
Cattle and calves	farms	18 164	21	227	1 268	3 892
	$1,000	320 270	47 739	119 546	177 686	235 123
Hogs and pigs	farms	5 603	6	108	470	1 185
	$1,000	226 148	11 519	59 196	128 122	177 623
Sheep, lambs, and wool	farms	2 072	1	8	36	163
	$1,000	5 632	(D)	57	302	1 465
Other livestock and livestock products (see text)	farms	3 945	1	7	52	191
	$1,000	35 546	(D)	10 424	15 862	20 732
Total farm production expenses[1]	farms	51 175	61	530	2 528	7 306
	$1,000	2 211 323	222 222	537 378	1 043 443	1 556 272
Selected farm production expenses[1]:						
Livestock and poultry purchased	farms	15 088	37	273	1 158	3 045
	$1,000	190 386	40 206	86 936	121 956	149 953
Feed for livestock and poultry	farms	23 220	38	324	1 610	4 668
	$1,000	273 192	49 868	97 400	164 861	224 978
Commercial fertilizer	farms	37 298	48	467	2 359	6 912
	$1,000	194 526	3 665	22 362	68 119	124 771
Agricultural chemicals	farms	35 505	53	486	2 391	6 876
	$1,000	119 993	3 758	18 788	46 345	78 333
Petroleum products	farms	48 558	60	514	2 501	7 253
	$1,000	120 621	4 852	17 057	42 000	72 922
Electricity	farms	38 590	60	522	2 486	7 159
	$1,000	47 789	3 351	8 968	19 625	31 740
Hired farm labor	farms	18 134	61	524	2 347	5 840
	$1,000	242 445	42 626	95 934	166 604	214 741
Interest	farms	25 197	55	474	2 236	6 209
	$1,000	197 966	9 363	33 447	81 213	132 732
Payments from government programs	farms	19 666	32	329	1 762	4 959
	$1,000	223 470	2 308	21 823	71 093	136 836
Inventory of selected livestock:						
Cattle and calves	farms	19 436	21	223	1 248	3 871
	number	1 163 352	42 244	160 255	421 726	742 824
Milk cows	farms	6 499	4	105	907	2 929
	number	344 550	2 786	29 581	131 934	264 717
Hogs and pigs	farms	5 577	6	102	454	1 149
	number	1 227 069	55 838	283 923	637 117	907 354

[1] Data are based on a sample of farms.

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Table 48. **Summary by Tenure of Operator: 1987**

[For meaning of abbreviations and symbols, see introductory text]

Item		All farms				Farms with sales of $10,000 or more			
		Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
FARMS AND LAND IN FARMS									
Farms	number	51 172	31 186	16 903	3 083	24 180	9 853	12 606	1 721
	percent	100.0	60.9	33.0	6.0	47.3	19.3	24.6	3.4
Land in farms	acres	10 316 861	3 461 112	6 298 444	557 305	8 230 453	1 900 101	5 853 682	476 670
Average size of farm	acres	202	111	373	181	340	193	464	277
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD									
Total sales (see text)	farms	51 172	31 186	16 903	3 083	24 180	9 853	12 606	1 721
	$1,000	2 545 078	773 059	1 623 545	148 474	2 454 599	706 550	1 605 120	142 930
Average per farm	dollars	49 736	24 789	96 051	48 159	101 514	71 709	127 330	83 050
Farms by value of sales:									
Less than $1,000 (see text)		6 578	5 747	608	223	-	-	-	-
$1,000 to $2,499		6 092	5 022	804	266	-	-	-	-
$2,500 to $4,999		6 774	5 226	1 169	379	-	-	-	-
$5,000 to $9,999		7 548	5 338	1 716	494	-	-	-	-
$10,000 to $19,999		6 617	3 982	2 110	525	6 617	3 982	2 110	525
$20,000 to $24,999		1 843	941	738	164	1 843	941	738	164
$25,000 to $39,999		3 525	1 515	1 710	300	3 525	1 515	1 710	300
$40,000 to $49,999		1 477	568	786	123	1 477	568	786	123
$50,000 to $99,999		4 322	1 350	2 675	297	4 322	1 350	2 675	297
$100,000 to $249,999		4 339	1 013	3 119	207	4 339	1 013	3 119	207
$250,000 to $499,999		1 469	315	1 086	68	1 469	315	1 086	68
$500,000 to $999,999		433	118	288	27	433	118	288	27
$1,000,000 or more		156	51	94	10	155	51	94	10
Grains	farms	25 844	12 251	11 524	2 069	15 634	4 896	9 477	1 261
	$1,000	578 016	111 388	422 434	44 197	543 794	87 798	415 007	40 989
Sales of $50,000 or more	farms	2 952	296	2 461	195	2 952	296	2 461	195
	$1,000	345 512	30 508	291 097	23 907	345 512	30 508	291 097	23 907
Corn for grain	farms	19 198	8 488	9 163	1 547	12 464	3 656	7 787	1 021
	$1,000	284 853	52 507	210 978	21 368	269 871	42 110	207 682	20 080
Wheat	farms	10 011	3 958	5 350	703	7 553	2 154	4 864	535
	$1,000	42 448	9 700	29 925	2 823	39 358	7 434	29 330	2 594
Soybeans	farms	12 670	5 273	6 225	1 172	8 661	2 505	5 383	773
	$1,000	172 993	34 653	124 376	13 965	160 825	26 402	121 758	12 666
Sorghum for grain	farms	16	5	11	-	11	2	9	-
	$1,000	40	5	35	-	34	(D)	(D)	-
Barley	farms	658	192	398	68	521	111	357	53
	$1,000	2 527	431	1 852	245	2 386	(D)	(D)	233
Oats	farms	6 373	2 789	3 107	477	4 175	1 271	2 597	307
	$1,000	12 767	3 818	8 061	887	10 807	2 477	7 599	731
Other grains	farms	4 687	1 515	2 711	461	3 822	943	2 515	364
	$1,000	62 389	10 272	47 207	4 910	60 514	9 032	46 796	4 686
Cotton and cottonseed	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Sales of $50,000 or more	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Tobacco	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Sales of $50,000 or more	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Hay, silage, and field seeds	farms	11 876	7 262	4 091	523	4 949	1 829	2 820	300
	$1,000	53 956	23 116	27 830	3 010	40 478	12 714	25 263	2 501
Sales of $50,000 or more	farms	83	14	62	7	83	14	62	7
	$1,000	7 516	1 111	5 677	728	7 516	1 111	5 677	728
Vegetables, sweet corn, and melons	farms	3 267	1 820	1 228	219	2 097	886	1 053	158
	$1,000	136 925	39 323	87 780	9 822	133 613	36 754	87 266	9 593
Sales of $50,000 or more	farms	540	137	359	44	540	137	359	44
	$1,000	109 985	25 977	76 250	7 758	109 985	25 977	76 250	7 758
Fruits, nuts, and berries	farms	3 926	2 946	826	154	2 285	1 487	696	102
	$1,000	163 847	91 687	64 356	7 804	159 029	87 362	63 992	7 674
Sales of $50,000 or more	farms	795	462	297	36	795	462	297	36
	$1,000	131 184	67 289	57 398	6 496	131 184	67 289	57 398	6 496
Nursery and greenhouse crops	farms	1 543	1 198	258	87	1 070	791	216	63
	$1,000	215 912	124 361	69 719	21 833	214 180	122 857	69 590	21 732
Sales of $50,000 or more	farms	507	374	104	29	507	374	104	29
	$1,000	203 169	114 427	67 614	21 128	203 169	114 427	67 614	21 128
Other crops	farms	2 007	509	1 271	227	1 821	365	1 243	213
	$1,000	124 146	14 305	98 028	11 813	123 741	14 028	97 955	11 758
Sales of $50,000 or more	farms	675	65	551	59	675	65	551	59
	$1,000	100 597	9 428	81 986	9 183	100 597	9 428	81 986	9 183
Poultry and poultry products	farms	2 063	1 347	631	85	763	343	376	44
	$1,000	116 432	56 375	55 943	4 114	115 848	55 896	55 846	4 105
Sales of $50,000 or more	farms	182	98	75	9	182	98	75	9
	$1,000	114 271	54 989	55 253	4 029	114 271	54 989	55 253	4 029
Dairy products	farms	5 951	1 818	3 808	325	5 777	1 686	3 783	308
	$1,000	568 249	103 957	442 308	21 983	567 653	103 499	442 211	21 943
Sales of $50,000 or more	farms	3 618	733	2 742	143	3 618	733	2 742	143
	$1,000	512 675	82 096	413 094	17 484	512 675	82 096	413 094	17 484
Cattle and calves	farms	18 164	9 128	8 212	824	10 741	3 669	6 502	570
	$1,000	320 270	100 888	205 810	13 572	300 282	86 733	200 649	12 900
Sales of $50,000 or more	farms	840	207	606	27	840	207	606	27
	$1,000	191 890	53 368	130 714	7 808	191 890	53 368	130 714	7 808

See footnotes at end of table.

Table 48. **Summary by Tenure of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms				Farms with sales of $10,000 or more			
	Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.								
Total sales (see text)—Con.								
Hogs and pigs .... farms..	5 603	2 753	2 543	307	3 677	1 363	2 101	213
$1,000..	226 148	74 029	143 546	8 572	221 776	70 799	142 687	8 290
Sales of $50,000 or more .... farms..	994	296	655	43	994	296	655	43
$1,000..	184 015	55 641	122 574	5 800	184 015	55 641	122 574	5 800
Sheep, lambs, and wool .... farms..	2 072	1 334	654	84	732	299	401	32
$1,000..	5 632	2 856	2 485	291	3 719	1 455	2 073	192
Sales of $50,000 or more .... farms..	8	3	5	-	8	3	5	-
$1,000..	786	228	558	-	786	228	558	-
Other livestock and livestock products (see text) .... farms..	3 945	2 894	882	169	1 062	623	385	54
$1,000..	35 546	30 778	3 305	1 462	30 488	26 654	2 581	1 253
Sales of $50,000 or more .... farms..	91	74	12	5	91	74	12	5
$1,000..	22 590	20 592	1 053	946	22 590	20 592	1 053	946
FARM PRODUCTION EXPENSES[1]								
Total farm production expenses .... farms..	51 175	31 561	16 492	3 122	24 140	9 936	12 441	1 763
$1,000..	2 211 823	695 850	1 386 380	129 593	2 042 052	566 932	1 352 666	122 454
Average per farm .... dollars..	43 221	22 048	84 064	41 510	84 592	57 058	108 726	69 458
Livestock and poultry purchased .... farms..	15 088	8 212	6 181	695	8 461	3 123	4 867	471
$1,000..	190 386	65 992	114 894	9 499	180 306	58 480	112 746	9 080
Farms with expenses of—								
$1 to $4,999	10 826	6 555	3 817	454	4 598	1 779	2 569	250
$5,000 to $24,999	3 103	1 302	1 630	171	2 715	994	1 570	151
$25,000 to $99,999	873	276	536	61	862	271	530	61
$100,000 or more	286	79	198	9	286	79	198	9
Feed for livestock and poultry .... farms..	23 220	12 972	9 229	1 019	12 579	4 712	7 206	661
$1,000..	273 192	96 721	165 823	10 648	263 136	89 221	163 822	10 093
Farms with expenses of—								
$1 to $4,999	16 437	10 816	4 980	641	5 910	2 635	2 968	307
$5,000 to $24,999	4 529	1 597	2 642	290	4 415	1 518	2 631	266
$25,000 to $99,999	1 905	437	1 398	70	1 905	437	1 398	70
$100,000 or more	349	122	209	18	349	122	209	18
Commercially mixed formula feeds .... farms..	11 999	5 772	5 705	522	7 821	2 543	4 875	403
$1,000..	153 493	55 806	91 942	5 745	150 691	53 606	91 390	5 695
Farms with expenses of—								
$1 to $4,999	7 909	4 715	2 873	321	3 753	1 503	2 048	202
$5,000 to $24,999	3 065	798	2 101	166	3 043	781	2 096	166
$25,000 to $79,999	826	186	614	26	826	186	614	26
$80,000 or more	199	73	117	9	199	73	117	9
Seeds, bulbs, plants, and trees .... farms..	35 507	18 117	14 827	2 563	21 170	7 532	12 002	1 636
$1,000..	111 895	28 378	72 557	10 961	105 482	23 990	71 046	10 446
Farms with expenses of—								
$1 to $999	18 698	12 841	4 649	1 208	5 778	3 170	2 182	426
$1,000 to $4,999	11 636	4 367	6 260	1 009	10 233	3 453	5 909	871
$5,000 to $24,999	4 689	790	3 590	309	4 675	790	3 583	302
$25,000 or more	484	119	328	37	484	119	328	37
Commercial fertilizer .... farms..	37 298	19 850	14 859	2 589	21 591	7 927	12 018	1 646
$1,000..	194 526	40 764	140 285	13 477	182 585	32 385	137 498	12 702
Farms with expenses of—								
$1 to $4,999	27 886	18 101	7 865	1 920	12 232	6 207	5 041	984
$5,000 to $24,999	7 757	1 586	5 603	568	7 704	1 557	5 586	561
$25,000 to $49,999	1 265	131	1 057	77	1 265	131	1 057	77
$50,000 or more	390	32	334	24	390	32	334	24
Agricultural chemicals .... farms..	35 505	18 860	14 138	2 507	21 167	7 950	11 597	1 620
$1,000..	119 993	34 016	77 473	8 504	112 523	28 661	75 867	7 996
Farms with expenses of—								
$1 to $4,999	29 675	17 550	9 999	2 126	15 400	6 683	7 478	1 239
$5,000 to $24,999	5 100	1 115	3 643	342	5 037	1 072	3 623	342
$25,000 to $49,999	513	142	348	23	513	142	348	23
$50,000 or more	217	53	148	16	217	53	148	16
Petroleum products .... farms..	48 558	29 274	16 280	3 004	23 778	9 656	12 382	1 740
$1,000..	120 621	40 441	72 596	7 583	107 628	30 914	69 837	6 876
Farms with expenses of—								
$1 to $4,999	42 313	27 997	11 645	2 671	17 535	8 380	7 748	1 407
$5,000 to $24,999	5 863	1 155	4 399	309	5 861	1 154	4 398	309
$25,000 to $49,999	285	77	193	15	285	77	193	15
$50,000 or more	97	45	43	9	97	45	43	9
Gasoline and gasohol .... farms..	41 658	24 989	14 178	2 491	20 613	8 312	10 815	1 486
$1,000..	42 655	16 464	23 527	2 665	34 821	10 583	21 974	2 263
Diesel fuel .... farms..	29 904	14 576	13 235	2 093	19 238	6 664	11 124	1 450
$1,000..	50 970	12 237	35 514	3 219	47 450	9 771	34 641	3 038
Natural gas .... farms..	1 941	1 018	836	87	1 508	677	771	60
$1,000..	9 571	6 115	2 768	688	9 402	5 992	2 750	659
LP gas, fuel oil, kerosene, motor oil, grease, etc. .... farms..	35 310	18 682	14 385	2 243	21 780	8 322	11 878	1 580
$1,000..	17 425	5 626	10 786	1 013	15 955	4 568	10 472	915

See footnotes at end of table.

Table 48. **Summary by Tenure of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms				Farms with sales of $10,000 or more			
	Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
FARM PRODUCTION EXPENSES[1] —Con.								
Total farm production expenses—Con.								
Electricity farms	38 590	22 705	14 021	1 864	21 456	8 828	11 397	1 231
$1,000	47 789	17 626	27 738	2 425	42 935	13 894	26 849	2 193
Farms with expenses of—								
$1 to $999	28 298	19 273	7 753	1 272	11 721	5 757	5 279	685
$1,000 to $4,999	8 382	2 940	4 912	530	7 825	2 579	4 762	484
$5,000 to $24,999	1 817	454	1 307	56	1 817	454	1 307	56
$25,000 or more	93	38	49	6	93	38	49	6
Hired farm labor farms	18 134	8 606	8 422	1 106	12 914	4 717	7 349	848
$1,000	242 445	85 186	141 454	15 805	239 077	82 769	140 777	15 531
Farms with expenses of—								
$1 to $4,999	12 177	6 748	4 679	750	7 003	2 889	3 614	500
$5,000 to $24,999	3 744	1 090	2 426	228	3 699	1 060	2 419	220
$25,000 to $99,999	1 856	642	1 118	96	1 855	642	1 117	96
$100,000 or more	357	126	199	32	357	126	199	32
Contract labor farms	4 652	2 738	1 601	313	2 974	1 337	1 385	252
$1,000	27 733	11 706	14 843	1 183	26 327	10 498	14 691	1 138
Farms with expenses of—								
$1 to $999	2 093	1 448	501	144	844	408	333	103
$1,000 to $4,999	1 582	894	586	102	1 164	544	538	82
$5,000 to $24,999	806	330	413	63	795	319	413	63
$25,000 or more	171	66	101	4	171	66	101	4
Repair and maintenance farms	43 440	25 458	15 417	2 565	22 485	8 978	11 940	1 567
$1,000	152 652	50 106	94 024	8 522	133 994	35 831	90 492	7 671
Farms with expenses of—								
$1 to $4,999	35 400	23 334	9 909	2 157	14 739	7 097	6 465	1 177
$5,000 to $24,999	7 271	1 973	4 928	370	6 977	1 730	4 895	352
$25,000 to $49,999	599	112	461	26	599	112	461	26
$50,000 or more	170	39	119	12	170	39	119	12
Customwork, machine hire, and rental of machinery and equipment farms	17 732	9 166	7 368	1 198	10 837	3 859	6 135	843
$1,000	34 043	10 525	20 644	2 873	30 636	7 961	19 972	2 702
Farms with expenses of—								
$1 to $999	10 922	6 658	3 552	712	4 892	2 020	2 478	394
$1,000 to $4,999	5 482	2 216	2 872	394	4 629	1 559	2 713	357
$5,000 to $24,999	1 208	270	863	75	1 196	258	863	75
$25,000 or more	120	22	81	17	120	22	81	17
Interest expense farms	25 197	12 336	11 592	1 269	16 357	5 684	9 722	951
$1,000	197 966	55 428	138 087	4 451	179 736	41 705	133 963	4 068
Farms with expenses of—								
$1 to $4,999	16 167	9 571	5 514	1 082	8 223	3 578	3 881	764
$5,000 to $24,999	7 257	2 457	4 640	160	6 361	1 798	4 403	160
$25,000 to $99,999	1 658	285	1 348	25	1 658	285	1 348	25
$100,000 or more	115	23	90	2	115	23	90	2
Secured by real estate farms	19 208	9 851	9 357	-	12 566	4 532	8 034	-
$1,000	143 627	44 063	99 564	-	128 765	32 318	96 446	-
Farms with expenses of—								
$1 to $999	3 710	2 502	1 208	-	1 658	838	820	-
$1,000 to $4,999	8 262	5 026	3 236	-	4 460	1 969	2 491	-
$5,000 to $24,999	6 052	2 105	3 947	-	5 264	1 507	3 757	-
$25,000 or more	1 184	218	966	-	1 184	218	966	-
Not secured by real estate farms	13 182	5 180	6 733	1 269	9 274	2 710	5 613	951
$1,000	54 339	11 366	38 523	4 451	50 972	9 387	37 517	4 068
Farms with expenses of—								
$1 to $999	5 228	2 851	1 878	499	2 587	1 140	1 123	324
$1,000 to $4,999	5 274	1 895	2 796	583	4 013	1 142	2 431	440
$5,000 to $24,999	2 336	388	1 788	160	2 330	382	1 788	160
$25,000 or more	344	46	271	27	344	46	271	27
Cash rent farms	15 070	-	12 860	2 210	11 926	-	10 476	1 450
$1,000	101 910	-	85 075	16 835	98 728	-	83 012	15 716
Farms with expenses of—								
$1 to $4,999	10 324	-	8 862	1 462	7 262	-	6 515	747
$5,000 to $9,999	2 078	-	1 712	366	1 996	-	1 675	321
$10,000 to $24,999	1 738	-	1 513	225	1 738	-	1 513	225
$25,000 or more	930	-	773	157	930	-	773	157
Property taxes farms	48 191	31 455	16 459	277	22 580	9 930	12 436	214
$1,000	157 280	78 520	77 990	771	114 879	42 118	72 043	718
Farms with expenses of—								
$1 to $4,999	40 046	28 385	11 434	227	15 020	7 393	7 462	165
$5,000 to $9,999	5 386	2 273	3 075	38	4 824	1 763	3 024	37
$10,000 to $24,999	2 444	713	1 720	11	2 421	690	1 720	11
$25,000 or more	315	84	230	1	315	84	230	1
All other farm production expenses farms	46 587	27 988	15 968	2 631	24 126	9 931	12 432	1 763
$1,000	239 391	80 439	142 896	16 055	224 079	68 504	140 050	15 525
Farms with expenses of—								
$1 to $4,999	38 311	25 595	10 525	2 191	15 925	7 583	7 018	1 324
$5,000 to $24,999	6 496	1 959	4 183	354	6 421	1 914	4 154	353
$25,000 to $49,999	1 117	248	819	50	1 117	248	819	50
$50,000 or more	663	186	441	36	663	186	441	36

See footnotes at end of table.

Table 48. **Summary by Tenure of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		All farms				Farms with sales of $10,000 or more			
		Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT[1]									
All farms	number	51 175	31 561	16 492	3 122	24 140	9 936	12 441	1 763
	$1,000	319 953	68 586	227 642	23 725	399 363	129 689	244 004	25 671
Average per farm	dollars	6 252	2 173	13 803	7 599	16 544	13 052	19 613	14 561
Farms with net gains[2]	number	21 623	10 959	8 764	1 900	16 210	6 738	8 127	1 345
Average net gain	dollars	23 491	15 383	35 128	16 584	30 774	23 973	37 748	22 701
Gain of—									
Less than $1,000		3 082	2 122	624	336	859	429	354	76
$1,000 to $9,999		9 235	5 652	2 717	866	6 045	3 124	2 350	571
$10,000 to $49,999		6 613	2 425	3 622	566	6 613	2 425	3 622	566
$50,000 or more		2 693	760	1 801	132	2 693	760	1 801	132
Farms with net losses	number	29 552	20 602	7 728	1 222	7 930	3 198	4 314	418
Average net loss	dollars	6 362	4 854	10 380	6 371	12 545	9 957	14 551	11 633
Loss of—									
Less than $1,000		4 347	3 267	800	280	697	371	306	20
$1,000 to $9,999		20 539	15 248	4 560	731	4 145	1 864	2 038	243
$10,000 to $49,999		4 375	2 017	2 164	194	2 809	904	1 767	138
$50,000 or more		291	70	204	17	279	59	203	17
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME									
Government payments	farms	19 666	8 344	10 051	1 271	13 858	4 011	8 901	946
	$1,000	223 470	44 361	165 971	13 137	209 335	34 224	162 767	12 344
Other farm-related income[1]	farms	11 845	6 525	4 735	585	6 394	2 064	3 922	408
	$1,000	37 093	17 203	18 193	1 696	26 574	8 770	16 508	1 297
Customwork and other agricultural services	farms	4 489	1 563	2 563	363	3 002	558	2 178	266
	$1,000	14 787	4 708	8 982	1 096	12 271	2 860	8 523	888
Gross cash rent or share payments	farms	3 973	3 286	608	79	1 206	787	397	22
	$1,000	10 076	7 468	2 266	342	4 917	2 896	1 855	166
Forest products and Christmas trees	farms	1 731	1 027	679	25	861	348	496	17
	$1,000	5 537	2 237	3 256	44	3 793	1 184	2 571	38
Other farm-related income sources	farms	3 533	1 416	1 925	192	2 590	683	1 757	150
	$1,000	6 693	2 790	3 690	214	5 593	1 830	3 559	204
COMMODITY CREDIT CORPORATION LOANS									
Total	farms	7 081	1 898	4 669	514	6 158	1 268	4 450	440
	$1,000	151 146	18 153	122 424	10 569	148 649	16 512	121 765	10 372
Corn	farms	6 720	1 684	4 546	490	5 954	1 178	4 350	426
	$1,000	135 370	15 214	110 615	9 542	133 357	13 955	110 024	9 377
Wheat	farms	522	159	322	41	446	105	305	36
	$1,000	2 150	265	1 772	113	2 090	225	1 756	109
Soybeans	farms	542	99	392	51	503	69	384	50
	$1,000	11 106	878	9 386	841	10 995	(D)	9 362	(D)
Sorghum, barley, and oats	farms	177	63	97	17	137	39	88	10
	$1,000	351	63	266	21	332	56	263	12
Cotton	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey	farms	169	134	27	8	67	47	18	2
	$1,000	2 170	1 733	385	52	1 876	(D)	361	(D)
LAND IN FARMS ACCORDING TO USE									
Total cropland	farms	48 653	28 926	16 786	2 941	23 530	9 276	12 575	1 679
	acres	8 181 320	2 330 038	5 356 131	495 151	6 892 225	1 409 254	5 053 074	429 897
Harvested cropland	farms	46 017	26 650	16 536	2 831	23 175	9 013	12 515	1 647
	acres	6 172 468	1 541 497	4 238 821	392 150	5 457 771	1 052 258	4 058 085	347 428
Farms by acres harvested:									
1 to 49 acres		21 716	17 321	3 305	1 090	3 602	2 679	691	232
50 to 99 acres		8 682	5 382	2 606	694	4 682	2 720	1 548	414
100 to 199 acres		6 866	2 645	3 677	544	6 183	2 324	3 357	502
200 to 499 acres		6 088	1 080	4 646	362	6 043	1 068	4 617	358
500 to 999 acres		2 075	194	1 781	100	2 075	194	1 781	100
1,000 to 1,999 acres		518	24	463	31	518	24	463	31
2,000 acres or more		72	4	58	10	72	4	58	10
Cropland:									
Pasture or grazing only	farms	16 096	9 756	5 804	536	7 009	2 660	4 029	320
	acres	518 589	253 849	246 712	18 028	310 215	100 515	197 129	12 571
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured	farms	10 093	5 136	4 404	553	6 071	2 029	3 661	381
	acres	440 552	150 769	263 504	26 279	344 349	78 364	243 718	22 267
On which all crops failed	farms	3 746	1 876	1 647	223	1 823	523	1 173	127
	acres	90 181	32 698	51 329	6 154	59 068	12 129	42 685	4 254
In cultivated summer fallow	farms	5 130	2 785	2 099	246	2 786	1 009	1 622	155
	acres	139 280	55 032	77 866	6 382	98 448	25 048	68 999	4 401
Idle	farms	17 994	9 683	7 335	976	10 181	3 463	6 050	668
	acres	820 270	296 193	477 899	46 178	622 374	140 940	442 458	38 976
Total woodland	farms	27 107	16 472	9 865	770	13 701	5 557	7 646	498
	acres	1 253 543	655 573	561 953	36 017	786 156	283 197	475 028	27 931
Woodland pastured	farms	6 101	3 624	2 304	173	2 867	1 124	1 632	111
	acres	229 240	117 909	100 606	10 725	145 211	54 319	82 819	8 073
Woodland not pastured	farms	23 871	14 403	8 806	862	12 322	4 952	6 938	432
	acres	1 024 303	537 664	461 347	25 292	640 945	228 878	392 209	19 858

See footnotes at end of table.

Table 48. **Summary by Tenure of Operator: 1987** – Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms: Total	All farms: Full owners	All farms: Part owners	All farms: Tenants	Farms with sales of $10,000 or more: Total	Farms with sales of $10,000 or more: Full owners	Farms with sales of $10,000 or more: Part owners	Farms with sales of $10,000 or more: Tenants
LAND IN FARMS ACCORDING TO USE—Con.								
Pastureland and rangeland other than cropland and woodland pastured ... farms	6 852	4 374	2 254	224	2 780	1 142	1 538	100
acres	230 074	124 090	98 811	7 173	141 599	56 539	80 672	4 388
Land in house lots, ponds, roads, wasteland, etc. ... farms	37 216	23 858	12 110	1 248	17 412	7 510	9 108	794
acres	651 924	351 411	281 549	18 964	410 473	151 111	244 908	14 454
Cropland under federal acreage reduction programs:								
Annual commodity acreage adjustment programs ... farms	10 012	6 116	8 816	1 080	12 105	3 255	8 009	841
acres	751 325	144 207	556 767	50 351	701 409	110 042	544 418	46 949
Conservation reserve program ... farms	851	486	336	29	428	139	271	18
acres	38 874	20 192	17 860	822	23 015	6 735	15 749	531
Value of land and buildings[1] ... farms	51 175	31 561	16 492	3 122	24 140	9 936	12 441	1 763
$1,000	10 033 617	3 773 595	5 674 437	585 585	7 682 766	1 963 295	5 224 159	495 312
Average per farm ... dollars	196 065	119 565	344 072	187 567	318 259	197 594	419 915	280 948
Average per acre ... dollars	971	1 080	906	1 011	933	1 043	894	974
Farms by value group:								
$1 to $39,999	6 878	5 575	506	797	1 065	835	104	126
$40,000 to $69,999	9 417	7 574	1 404	439	1 800	1 241	393	166
$70,000 to $99,999	8 555	6 471	1 705	379	2 564	1 544	778	242
$100,000 to $149,999	7 959	5 148	2 339	472	3 735	1 982	1 425	328
$150,000 to $199,999	4 711	2 522	1 959	230	3 055	1 327	1 541	187
$200,000 to $499,999	9 376	3 438	5 356	582	7 841	2 315	5 022	504
$500,000 to $999,999	3 044	628	2 271	145	2 865	505	2 228	132
$1,000,000 to $1,999,999	975	165	751	59	957	147	751	59
$2,000,000 to $4,999,999	237	34	188	15	236	34	187	15
$5,000,000 or more	23	6	13	4	22	6	12	4
VALUE OF MACHINERY AND EQUIPMENT[1]								
Estimated market value of all machinery and equipment ... farms	51 085	31 486	16 492	3 107	24 118	9 922	12 441	1 755
$1,000	2 347 585	856 594	1 350 173	140 818	1 900 241	526 848	1 255 487	117 906
Farms by value group:								
$1 to $4,999	4 330	3 597	464	269	530	390	83	57
$5,000 to $9,999	10 003	8 449	1 132	422	1 082	776	233	73
$10,000 to $19,999	9 792	7 058	2 029	705	2 981	1 749	931	301
$20,000 to $49,999	12 783	7 732	4 167	884	7 039	3 468	2 997	574
$50,000 to $99,999	7 353	3 026	3 867	460	5 939	2 087	3 450	402
$100,000 to $199,999	4 551	1 158	3 145	248	4 321	1 018	3 074	229
$200,000 to $499,999	2 063	425	1 533	105	2 017	394	1 518	105
$500,000 or more	210	41	155	14	209	40	155	14
SELECTED MACHINERY AND EQUIPMENT[1]								
Motortrucks, including pickups ... farms	43 238	25 248	15 406	2 584	22 490	8 867	11 969	1 634
number	77 231	37 591	34 771	4 869	49 854	16 441	29 846	3 567
Wheel tractors ... farms	47 507	28 800	15 907	2 800	23 043	9 339	12 070	1 634
number	143 734	72 509	62 717	8 508	90 684	31 502	53 323	5 859
Less than 40 horsepower (PTO) ... farms	29 681	19 348	8 835	1 498	12 640	5 503	6 326	811
number	51 330	32 380	16 380	2 570	24 247	10 504	12 251	1 492
40 horsepower (PTO) or more ... farms	36 848	19 895	14 483	2 470	21 135	7 961	11 614	1 560
number	92 404	40 129	46 337	5 938	66 437	20 998	41 072	4 367
Grain and bean combines ... farms	20 160	8 582	10 096	1 482	13 184	3 695	8 526	963
number	23 587	9 662	12 233	1 692	15 784	4 188	10 450	1 146
Cottonpickers and strippers ... farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Mower conditioners ... farms	19 528	10 433	8 229	866	10 764	3 711	6 449	604
number	21 051	11 141	8 988	922	11 786	4 072	7 067	647
Pickup balers ... farms	21 716	11 567	9 112	1 037	11 877	4 126	7 020	731
number	24 924	12 658	11 092	1 174	14 185	4 650	8 707	828
AGRICULTURAL CHEMICALS[1]								
Commercial fertilizer ... farms	37 282	19 834	14 859	2 589	21 590	7 926	12 018	1 646
acres on which used	5 300 902	1 160 738	3 767 206	372 958	4 852 627	856 392	3 652 203	344 032
Lime ... farms	6 799	3 046	3 449	304	4 631	1 385	3 003	243
acres on which used	301 302	82 620	201 527	17 155	263 328	55 274	192 118	15 936
tons	566 902	153 434	379 390	34 078	495 652	101 962	361 914	31 776
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ... farms	15 082	7 625	6 369	1 088	10 365	3 925	5 660	780
acres on which used	1 532 318	358 447	1 054 972	118 899	1 446 605	300 059	1 035 472	111 074
Nematodes in crops ... farms	2 132	919	1 017	196	1 630	552	943	135
acres on which used	205 371	39 050	145 605	20 716	197 043	34 097	143 700	19 246
Diseases in crops and orchards ... farms	5 320	3 480	1 544	296	3 247	1 699	1 323	225
acres on which used	336 227	122 099	189 163	24 965	314 179	104 982	184 910	24 287
Weeds, grass, or brush in crops and pasture ... farms	27 595	13 428	12 070	2 097	17 682	6 179	10 119	1 384
acres on which used	3 800 607	761 613	2 748 869	290 125	3 540 095	589 674	2 681 874	268 547
Chemicals for defoliation or for growth control of crops or thinning of fruit ... farms	2 204	1 252	848	104	1 610	785	730	95
acres on which used	118 970	41 278	70 840	6 852	111 592	35 549	69 316	6 727

See footnotes at end of table.

Table 48. **Summary by Tenure of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms				Farms with sales of $10,000 or more			
	Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
TENURE AND RACE OF OPERATOR								
All operators	51 172	31 186	16 903	3 083	24 180	9 853	12 606	1 721
Full owners	31 186	31 186	-	-	9 853	9 853	-	-
Part owners	16 903	-	16 903	-	12 606	-	12 606	-
Tenants	3 083	-	-	3 083	1 721	-	-	1 721
White	50 880	30 964	16 843	3 073	24 095	9 803	12 574	1 718
Full owners	30 964	30 964	-	-	9 803	9 803	-	-
Part owners	16 843	-	16 843	-	12 574	-	12 574	-
Tenants	3 073	-	-	3 073	1 718	-	-	1 718
Black and other races	292	222	60	10	85	50	32	3
Full owners	222	222	-	-	50	50	-	-
Part owners	60	-	60	-	32	-	32	-
Tenants	10	-	-	10	3	-	-	3
OWNED AND RENTED LAND								
Land owned farms	48 162	31 186	16 903	73	22 490	9 853	12 606	31
acres	7 097 326	3 750 375	3 340 046	6 905	5 092 987	2 011 342	3 078 012	3 633
Owned land in farms farms	48 089	31 186	16 903	-	22 459	9 853	12 606	-
acres	6 754 515	3 461 112	3 293 403	-	4 941 858	1 900 101	3 041 757	-
Land rented or leased from others farms	20 096	110	16 903	3 083	14 377	50	12 606	1 721
acres	3 587 514	8 768	3 013 496	565 250	3 306 823	6 883	2 818 980	480 960
Rented or leased land in farms farms	19 986	-	16 903	3 083	14 327	-	12 606	1 721
acres	3 562 346	-	3 005 041	557 305	3 288 595	-	2 811 925	476 670
Land rented or leased to others farms	5 571	4 643	794	134	1 793	1 202	525	66
acres	367 979	298 031	55 098	14 850	169 357	118 124	43 310	7 923
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated	41 967	25 429	14 920	1 618	20 346	8 029	11 312	1 005
Not on farm operated	6 332	3 620	1 378	1 334	2 645	1 119	882	644
Not reported	2 873	2 137	605	131	1 189	705	412	72
Operators by principal occupation:								
Farming	26 112	13 553	11 084	1 475	17 769	6 723	9 926	1 120
Other	25 060	17 633	5 819	1 608	6 411	3 130	2 680	601
Operators by days of work off farm:								
None	19 384	10 896	7 610	878	12 362	4 836	6 867	659
Any	29 155	18 429	8 608	2 118	10 425	4 254	5 174	997
1 to 99 days	4 058	2 068	1 688	302	2 457	803	1 446	208
100 to 199 days	4 279	2 507	1 437	335	1 890	725	977	188
200 days or more	20 818	13 854	5 483	1 481	6 078	2 726	2 751	601
Not reported	2 633	1 861	685	87	1 393	763	565	65
Operators by years on present farm:								
2 years or less	2 061	1 316	373	372	699	318	203	178
3 or 4 years	2 996	1 794	727	475	1 003	379	384	240
5 to 9 years	7 171	4 102	2 273	796	2 949	1 067	1 434	448
10 years or more	30 863	18 624	11 284	955	15 979	6 400	8 951	628
Average years on present farm	20.0	20.8	20.5	10.4	21.9	23.8	22.0	11.5
Not reported	8 081	5 350	2 246	485	3 550	1 689	1 634	227
Operators by age group:								
Under 25 years	829	257	199	373	467	107	151	209
25 to 34 years	6 206	2 650	2 431	1 125	3 426	956	1 835	635
35 to 44 years	11 098	5 878	4 428	792	5 173	1 624	3 125	424
45 to 49 years	6 142	3 593	2 333	216	2 862	1 033	1 704	125
50 to 54 years	5 792	3 567	2 068	157	2 807	1 137	1 588	82
55 to 59 years	5 944	3 800	1 997	147	3 020	1 329	1 594	97
60 to 64 years	5 649	3 765	1 775	109	2 829	1 350	1 411	68
65 to 69 years	4 355	3 316	955	84	1 904	1 119	738	47
70 years and over	5 157	4 360	717	80	1 692	1 198	460	34
Average age	50.9	53.7	48.0	38.0	49.6	53.5	48.1	37.9
Operators by sex:								
Male	48 458	29 049	16 442	2 967	23 401	9 371	12 337	1 693
Female	2 714	2 137	461	116	779	482	269	28
Operators of Spanish origin (see text)	122	83	33	6	46	22	23	1
FARMS BY TYPE OF ORGANIZATION								
Individual or family (sole proprietorship) farms	45 166	28 519	14 140	2 507	19 824	8 371	10 139	1 314
acres	7 848 652	2 957 642	4 533 383	357 627	5 918 327	1 499 729	4 129 480	289 118
Partnership farms	4 662	1 937	2 344	381	3 356	1 015	2 092	249
acres	1 851 919	347 328	1 398 097	106 494	1 735 591	270 157	1 368 081	97 353
Corporation:								
Family held farms	1 056	542	354	160	847	377	330	140
acres	518 500	107 870	323 620	87 010	500 559	93 562	320 880	86 117
More than 10 stockholders farms	14	7	7	-	10	3	7	-
10 or less stockholders farms	1 042	535	347	160	837	374	323	140
Other than family held farms	111	71	23	17	76	43	21	12
acres	39 206	13 861	20 689	4 656	30 189	10 067	(D)	(D)
More than 10 stockholders farms	12	8	2	2	9	6	1	2
10 or less stockholders farms	99	63	21	15	67	37	20	10
Other—cooperative, estate or trust, institutional, etc. farms	177	117	42	18	77	47	24	6
acres	58 584	34 411	22 655	1 518	45 787	26 586	(D)	(D)

See footnotes at end of table.

Table 48. **Summary by Tenure of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		All farms				Farms with sales of $10,000 or more			
		Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
FARMS BY SIZE									
1 to 9 acres		2 866	2 490	143	233	744	661	30	53
10 to 49 acres		12 174	9 896	1 518	760	1 694	1 276	250	168
50 to 69 acres		3 667	2 680	736	251	767	506	172	89
70 to 99 acres		6 467	4 916	1 158	393	1 911	1 264	449	198
100 to 139 acres		5 478	3 611	1 513	354	2 478	1 352	901	225
140 to 179 acres		4 167	2 511	1 407	249	2 440	1 237	1 003	200
180 to 219 acres		2 833	1 449	1 203	181	1 984	851	970	163
220 to 259 acres		2 222	1 011	1 111	100	1 724	660	975	89
260 to 499 acres		6 274	1 895	4 045	334	5 541	1 409	3 820	312
500 to 999 acres		3 667	577	2 939	151	3 559	501	2 910	148
1,000 to 1,999 acres		1 134	118	957	59	1 118	106	954	58
2,000 acres or more		223	32	173	18	220	30	172	18
FARMS BY STANDARD INDUSTRIAL CLASSIFICATION									
Cash grains (011)		15 745	8 239	6 032	1 474	7 903	2 540	4 578	785
Field crops, except cash grains (013)		5 654	4 044	1 358	252	1 499	589	776	134
Cotton (0131)		-	-	-	-	-	-	-	-
Tobacco (0132)		-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		5 654	4 044	1 358	252	1 499	589	776	134
Vegetables and melons (016)		1 758	1 096	517	145	991	474	422	95
Fruits and tree nuts (017)		3 307	2 685	503	119	1 724	1 237	417	70
Horticultural specialties (018)		1 311	1 075	166	70	900	714	136	50
General farms, primarily crop (019)		2 184	1 499	610	75	637	193	408	36
Livestock, except dairy, poultry, and animal specialties (021)		12 124	7 945	3 671	508	4 516	2 110	2 172	234
Beef cattle, except feedlots (0212)		4 605	3 302	1 145	158	1 053	579	436	38
Dairy farms (024)		5 199	1 527	3 391	281	5 083	1 432	3 377	274
Poultry and eggs (025)		455	350	90	15	204	128	66	10
Animal specialties (027)		2 931	2 481	326	124	410	341	49	20
General farms, primarily livestock and animal specialties (029)		504	245	239	20	313	95	205	13
LIVESTOCK									
Cattle and calves inventory	farms	19 436	10 103	8 467	866	10 722	3 628	6 522	572
	number	1 163 352	322 904	793 941	46 507	1 043 744	240 446	761 158	42 140
Farms with—									
1 to 9		5 321	3 847	1 286	188	981	425	501	55
10 to 49		7 897	4 659	2 838	400	3 776	1 744	1 784	248
50 to 99		2 904	982	1 760	162	2 666	854	1 659	153
100 to 199		2 045	453	1 509	83	2 031	444	1 504	83
200 to 499		1 078	128	923	27	1 078	128	923	27
500 or more		191	34	151	6	190	33	151	6
Cows and heifers that had calved	farms	14 030	7 008	6 420	602	8 064	2 623	5 031	410
	number	454 706	122 241	314 573	17 892	406 057	88 702	301 064	16 291
Beef cows	farms	8 163	5 099	2 793	271	2 692	1 075	1 506	111
	number	110 156	52 686	53 453	4 017	64 299	21 012	40 661	2 626
Farms with—									
1 to 9		4 691	3 261	1 283	147	942	413	490	39
10 to 49		3 136	1 734	1 291	111	1 442	575	807	60
50 to 99		257	87	160	10	231	71	151	9
100 to 199		61	14	46	1	59	13	45	1
200 to 499		16	2	12	2	16	2	12	2
500 or more		2	1	1	-	2	1	1	-
Milk cows	farms	6 499	2 215	3 929	355	5 759	1 693	3 755	311
	number	344 550	69 555	261 120	13 875	341 758	67 690	260 403	13 665
Farms with—									
1 to 4		719	465	219	35	175	81	89	5
5 to 9		241	166	57	18	115	77	29	9
10 to 49		2 874	1 120	1 549	205	2 805	1 071	1 534	200
50 to 99		1 724	351	1 303	70	1 723	351	1 302	70
100 to 199		791	94	673	24	791	94	673	24
200 to 499		141	19	119	3	141	19	119	3
500 or more		9	-	9	-	9	-	9	-
Heifers and heifer calves	farms	13 710	6 644	6 461	605	8 137	2 588	5 136	413
	number	372 907	91 312	267 742	13 853	342 209	70 047	259 435	12 727
Steers, steer calves, bulls, and bull calves	farms	15 610	7 953	6 974	683	8 682	2 881	5 354	447
	number	335 739	109 351	211 626	14 762	295 478	81 697	200 659	13 122
Cattle and calves sold	farms	18 164	9 126	8 212	824	10 741	3 669	6 502	570
	number	653 806	222 606	404 167	27 033	602 829	186 137	391 322	25 370
	$1,000	320 270	100 888	205 810	13 572	300 282	86 733	200 649	12 900
Calves	farms	8 447	3 867	4 178	402	5 644	1 825	3 523	296
	number	183 302	82 280	93 984	7 038	166 047	69 828	89 739	6 480
	$1,000	34 569	19 683	13 528	1 358	30 794	16 988	12 560	1 247
Cattle	farms	16 208	7 979	7 487	742	9 825	3 298	6 000	527
	number	470 504	140 326	310 183	19 995	436 782	116 309	301 583	18 890
	$1,000	285 702	81 205	192 283	12 214	269 488	69 745	188 089	11 653
Fattened on grain and concentrates	farms	7 067	3 529	3 215	323	3 949	1 279	2 454	216
	number	281 874	80 646	187 618	13 610	268 132	70 946	184 005	13 181
	$1,000	187 767	51 734	127 221	8 812	180 315	46 523	125 239	8 553

See footnotes at end of table.

Table 48. **Summary by Tenure of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms				Farms with sales of $10,000 or more			
	Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
LIVESTOCK—Con.								
Hogs and pigs inventory ... farms	5 577	2 790	2 486	301	3 527	1 295	2 028	204
number	1 227 069	399 567	781 253	46 249	1 184 269	369 286	772 063	42 920
Farms with—								
1 to 24	2 249	1 403	738	108	692	260	388	44
25 to 49	680	378	259	43	395	172	197	26
50 to 99	717	359	313	45	563	252	274	37
100 to 199	635	244	348	43	594	214	342	38
200 to 499	660	227	395	38	652	222	395	35
500 or more	636	179	433	24	631	175	432	24
Used or to be used for breeding ... farms	3 523	1 676	1 646	201	2 435	905	1 390	140
number	183 586	65 977	110 580	7 029	175 043	59 943	108 680	6 420
Other ... farms	5 176	2 537	2 356	233	3 357	1 216	1 945	196
number	1 043 483	333 590	670 673	39 220	1 009 226	309 343	663 383	36 500
Hogs and pigs sold ... farms	5 603	2 753	2 543	307	3 677	1 363	2 101	213
number	2 215 872	780 288	1 346 406	89 178	2 160 538	739 428	1 335 415	85 695
$1,000	226 148	74 029	143 546	8 572	221 776	70 799	142 687	8 290
Feeder pigs ... farms	1 575	829	645	101	1 007	419	515	73
number	468 706	238 613	207 956	22 137	442 296	219 152	202 615	20 529
$1,000	21 840	10 789	10 041	1 010	20 837	10 054	9 839	944
Litters of pigs farrowed between—								
Dec. 1 of preceding year and Nov. 30 ... farms	3 714	1 781	1 716	217	2 539	951	1 437	151
number	252 915	90 162	153 542	9 211	244 077	83 970	151 579	8 528
Dec. 1 and May 31 ... farms	3 312	1 570	1 544	198	2 322	874	1 310	138
number	123 621	44 446	74 770	4 405	119 356	41 438	73 843	4 075
June 1 and Nov. 30 ... farms	3 316	1 546	1 583	187	2 359	869	1 355	135
number	129 294	45 716	78 772	4 806	124 721	42 532	77 736	4 453
Sheep and lambs of all ages inventory ... farms	2 057	1 329	647	81	720	300	390	30
number	101 330	51 101	44 188	6 041	60 443	22 511	34 485	3 447
Ewes 1 year old or older ... farms	1 857	1 192	591	74	658	267	363	28
number	62 036	31 659	26 508	3 869	34 945	(D)	19 888	(D)
Sheep and lambs sold ... farms	1 979	1 258	638	83	709	283	395	31
number	77 152	40 941	32 160	4 051	49 391	20 746	26 100	2 545
Sheep and lambs shorn ... farms	1 826	1 166	586	74	658	267	364	27
number	88 134	42 814	40 608	4 712	54 142	18 488	32 722	2 932
pounds of wool	655 169	328 632	291 234	35 303	389 213	138 396	229 735	21 082
Horses and ponies inventory ... farms	9 065	6 328	2 408	329	2 314	996	1 211	107
number	56 836	41 377	13 467	1 992	15 138	8 310	6 142	686
Horses and ponies sold ... farms	2 403	1 759	548	96	563	325	214	24
number	7 645	5 597	1 835	213	3 155	2 096	976	83
Goats inventory ... farms	1 234	819	354	61	298	126	153	19
number	21 405	13 147	7 105	1 153	7 808	3 276	4 055	477
Goats sold ... farms	469	315	136	18	111	52	52	7
number	9 252	5 867	3 027	358	3 509	1 515	1 842	152
POULTRY								
Chickens 3 months old or older inventory ... farms	3 550	2 406	1 028	116	1 069	478	540	51
number	8 428 623	4 039 510	3 929 162	459 951	8 346 401	3 975 021	3 913 304	458 076
Farms with—								
1 to 399	3 378	2 318	953	107	905	396	467	42
400 to 3,199	35	24	10	1	27	18	8	1
3,200 to 9,999	37	13	22	2	37	13	22	2
10,000 to 19,999	29	18	10	1	29	18	10	1
20,000 to 49,999	35	15	17	3	35	15	17	3
50,000 to 99,999	20	12	7	1	20	12	7	1
100,000 or more	16	6	9	1	16	6	9	1
Hens and pullets of laying age ... farms	3 490	2 364	1 015	111	1 052	472	532	48
number	7 152 993	3 408 669	3 355 790	388 534	7 079 146	3 350 992	3 341 178	386 976
Pullets 3 months old or older not of laying age ... farms	480	330	127	23	120	58	54	8
number	1 275 630	630 841	573 372	71 417	1 267 255	624 029	572 126	71 100
Hens and pullets sold ... farms	587	393	179	15	275	136	127	12
number	6 611 462	3 174 850	3 074 964	361 648	6 575 550	3 141 197	3 072 815	361 538
Broilers and other meat-type chickens sold ... farms	495	302	171	22	178	74	92	12
number	702 431	261 369	318 171	122 891	664 443	235 996	306 259	122 188
Farms with—								
1 to 1,999	482	293	168	21	165	65	89	11
2,000 to 59,999	8	8	-	-	8	8	-	-
60,000 to 99,999	2	1	1	-	2	1	1	-
100,000 or more	3	-	2	1	3	-	2	1
Turkey hens kept for breeding ... farms	169	120	45	4	42	23	17	2
number	60 229	49 834	10 285	110	59 664	49 406	(D)	(D)
Turkeys sold ... farms	281	179	91	11	104	46	50	8
number	2 906 878	1 642 606	1 263 872	400	2 900 905	1 637 684	1 262 846	375

See footnotes at end of table.

Table 48. **Summary by Tenure of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		All farms				Farms with sales of $10,000 or more			
		Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
CROPS HARVESTED									
Corn for grain or seed	farms	25 140	11 306	12 043	1 791	16 442	5 056	10 191	1 195
	acres	1 962 401	406 065	1 440 761	135 575	1 827 118	301 975	1 401 824	123 319
	bushels	189 779 819	36 592 113	140 211 491	12 976 215	178 509 320	28 903 617	137 549 677	12 056 026
Irrigated	farms	979	261	662	56	905	210	642	53
	acres	134 704	28 122	96 885	9 697	133 238	27 035	96 558	9 645
Farms by acres harvested:									
1 to 24 acres		10 135	6 786	2 666	683	3 456	1 803	1 375	278
25 to 99 acres		9 569	3 817	4 974	778	7 571	2 556	4 425	590
100 to 249 acres		3 689	534	2 928	227	3 668	528	2 916	224
250 to 499 acres		1 229	127	1 033	69	1 229	127	1 033	69
500 acres or more		518	42	442	34	518	42	442	34
Corn for silage or green chop	farms	6 704	2 097	4 270	337	5 728	1 494	3 955	279
	acres	294 323	54 412	228 604	11 307	281 372	46 857	223 877	10 638
	tons, green	3 585 942	634 353	2 810 156	141 433	3 462 798	561 411	2 766 303	135 084
Irrigated	farms	116	25	84	7	110	20	83	7
	acres	5 807	(D)	4 174	(D)	5 736	1 344	(D)	(D)
Farms by acres harvested:									
1 to 24 acres		3 137	1 372	1 585	180	2 290	841	1 323	126
25 to 99 acres		2 850	657	2 054	139	2 722	585	2 002	135
100 to 249 acres		622	65	543	14	621	65	542	14
250 to 499 acres		75	2	70	3	75	2	70	3
500 acres or more		20	1	18	1	20	1	18	1
Wheat for grain	farms	10 327	4 143	5 469	715	7 688	2 207	4 941	540
	acres	356 073	87 883	245 013	23 177	320 410	62 299	237 508	20 603
	bushels	16 465 394	3 846 755	11 513 868	1 104 771	15 130 595	2 872 185	11 253 548	1 004 862
Irrigated	farms	80	25	50	5	74	19	50	5
	acres	5 851	1 300	4 316	235	5 743	1 192	4 316	235
Farms by acres harvested:									
1 to 24 acres		5 899	3 105	2 354	440	3 552	1 370	1 890	292
25 to 99 acres		3 776	962	2 577	237	3 484	761	2 513	210
100 to 249 acres		583	71	481	31	583	71	481	31
250 to 499 acres		58	4	48	6	58	4	48	6
500 acres or more		11	1	9	1	11	1	9	1
Oats for grain	farms	11 392	4 890	5 769	733	7 723	2 402	4 828	493
	acres	259 445	79 257	164 507	15 681	214 129	49 719	151 979	12 431
	bushels	14 634 547	4 267 493	9 499 553	867 501	12 561 460	2 886 301	8 959 824	715 335
Irrigated	farms	45	16	23	6	30	6	21	3
	acres	1 003	232	735	36	841	109	(D)	(D)
Soybeans for beans	farms	12 734	5 323	6 237	1 174	8 667	2 510	5 384	773
	acres	1 023 599	219 647	719 931	84 021	924 718	154 995	696 812	72 911
	bushels	36 267 622	7 370 806	25 987 936	2 908 880	33 517 222	5 532 708	25 377 481	2 607 033
Irrigated	farms	321	80	214	27	301	67	208	26
	acres	24 078	6 277	16 523	1 278	23 742	(D)	16 459	(D)
Farms by acres harvested:									
1 to 24 acres		3 797	2 362	1 092	343	1 325	574	625	126
25 to 99 acres		5 907	2 568	2 752	587	4 334	1 549	2 374	411
100 to 249 acres		2 220	347	1 678	195	2 198	341	1 670	187
250 to 499 acres		621	38	541	42	621	38	541	42
500 acres or more		189	8	174	7	189	8	174	7
Dry edible beans, excluding dry limas	farms	4 098	1 313	2 353	432	3 395	844	2 208	343
	acres	383 687	62 806	288 855	32 026	368 232	53 224	284 994	30 014
	cwt	4 931 689	830 408	3 695 750	405 531	4 774 078	727 637	3 659 983	386 458
Irrigated	farms	113	27	80	6	100	18	77	5
	acres	12 318	1 811	9 925	582	12 041	(D)	9 812	(D)
Farms by acres harvested:									
1 to 24 acres		1 034	531	381	122	548	187	292	69
25 to 99 acres		1 802	653	934	215	1 588	528	881	179
100 to 249 acres		912	109	729	74	909	109	726	74
250 to 499 acres		290	16	261	13	290	16	261	13
500 acres or more		60	4	48	8	60	4	48	8
Irish potatoes	farms	564	229	295	40	419	108	274	37
	acres	44 105	7 323	33 588	3 194	43 774	7 048	33 542	3 185
	cwt	10 109 515	1 594 726	7 753 782	761 007	10 075 552	1 569 970	7 747 526	758 056
Irrigated	farms	230	62	151	17	204	41	147	16
	acres	23 866	4 102	17 833	1 931	23 750	(D)	17 820	(D)
Farms by acres harvested:									
0.1 to 4.9 acres		204	143	51	10	76	35	33	8
5.0 to 24.9 acres		73	29	38	6	59	19	35	5
25.0 to 99.9 acres		125	30	84	11	122	27	84	11
100.0 to 249.9 acres		116	23	82	11	116	23	82	11
250.0 acres or more		46	4	40	2	46	4	40	2
Sugar beets for sugar	farms	1 435	262	987	186	1 396	241	978	177
	acres	138 623	12 929	111 406	14 288	138 174	12 713	111 262	14 199
	tons	2 759 381	246 771	2 227 255	285 355	2 752 544	243 386	2 225 645	283 513
Irrigated	farms	40	3	32	5	40	3	32	5
	acres	1 877	190	1 546	141	1 877	190	1 546	141
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	25 983	14 767	10 128	1 088	12 331	4 264	7 418	649
	acres	1 436 630	477 097	903 364	56 169	1 103 207	244 850	813 950	44 407
	tons, dry	3 323 175	991 221	2 197 216	134 738	2 778 521	608 415	2 054 913	115 193
Irrigated	farms	246	88	146	12	195	43	140	12
	acres	11 710	3 019	8 245	446	10 827	2 237	8 144	446

See footnotes at end of table.

Table 48. **Summary by Tenure of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms				Farms with sales of $10,000 or more			
	Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
CROPS HARVESTED—Con.								
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)—Con.								
Farms by acres harvested:								
1 to 24 acres	12 059	8 610	2 960	489	3 151	1 429	1 503	219
25 to 99 acres	9 703	5 304	3 946	453	5 269	2 133	2 842	294
100 to 249 acres	3 358	768	2 469	121	3 058	619	2 325	114
250 to 499 acres	740	78	640	22	730	76	635	19
500 acres or more	123	7	113	3	123	7	113	3
Alfalfa hay farms	22 439	12 502	8 980	957	11 085	3 768	6 725	592
acres	971 083	351 153	582 353	37 577	725 179	175 649	520 116	29 414
tons, dry	2 499 478	792 969	1 605 360	101 149	2 064 065	482 299	1 495 453	86 313
Irrigated farms	195	72	112	11	157	38	108	11
acres	7 561	2 105	5 210	246	6 903	1 538	5 119	246
Vegetables harvested for sale (see text) farms	3 267	1 820	1 228	219	2 097	886	1 053	158
acres	139 145	37 845	90 498	10 802	133 359	33 318	89 623	10 419
Irrigated farms	908	437	398	73	695	266	367	62
acres	53 780	11 635	37 990	4 155	53 062	11 055	37 886	4 121
Farms by acres harvested:								
0.1 to 4.9 acres	1 067	757	257	53	314	150	146	18
5.0 to 24.9 acres	1 122	691	348	83	724	377	287	60
25.0 to 99.9 acres	747	306	377	64	728	293	374	61
100.0 to 249.9 acres	235	51	173	11	235	51	173	11
250.0 acres or more	96	15	73	8	96	15	73	8
Snap beans harvested for sale farms	510	268	199	43	347	141	176	30
acres	21 198	2 878	16 049	2 271	20 623	2 434	15 958	2 232
Irrigated farms	154	77	62	15	113	46	55	12
acres	8 557	610	6 880	1 067	8 511	568	6 877	1 066
Land in orchards farms	3 791	2 863	793	135	1 922	1 215	623	84
acres	161 567	92 764	62 755	6 049	145 743	79 170	61 058	5 514
Irrigated farms	504	378	110	16	337	224	100	13
acres	17 815	10 727	6 700	388	16 722	9 702	6 678	342
Farms by bearing and nonbearing acres:								
0.1 to 4.9 acres	1 128	926	173	29	182	108	67	7
5.0 to 24.9 acres	1 261	1 050	167	44	482	337	122	23
25.0 to 99.9 acres	942	644	253	45	800	528	235	37
100.0 to 249.9 acres	365	203	152	10	363	202	151	10
250.0 acres or more	95	40	48	7	95	40	48	7
Apples farms	2 516	1 841	592	83	1 334	819	460	55
Bearing and nonbearing acres	73 244	39 291	31 848	2 105	66 741	33 712	31 119	1 910
pounds	918 227 402	461 580 501	429 765 980	26 880 921	903 654 514	448 616 967	428 435 547	26 602 000
Cherries, total (see text) farms	1 690	1 242	397	51	1 050	682	332	36
Bearing and nonbearing acres	59 741	37 097	19 989	2 655	54 300	32 558	19 311	2 432
pounds	254 177 979	149 116 603	93 058 407	12 002 969	244 482 080	140 733 256	92 188 499	11 560 325
Grapes (see text) farms	989	753	200	36	451	277	153	21
Bearing and nonbearing acres	11 932	7 509	3 964	458	9 709	5 521	3 789	400
Fresh weight pounds	103 130 824	60 360 263	38 167 849	4 602 712	93 154 965	51 279 219	37 426 422	4 449 324
Berries harvested for sale farms	1 427	1 096	283	48	762	507	229	26
acres	17 540	12 545	3 743	1 252	15 635	10 831	3 621	1 183
Irrigated farms	658	464	172	22	439	272	151	16
acres	8 483	5 474	2 338	671	7 947	5 004	2 286	657

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[1] Data are based on a sample of farms.

[2] Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than $1,000.

Table 49. **Summary by Type of Organization: 1987**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Individual or family	Partnership	Corporation					Other—cooperative, estate or trust, institutional, etc.
				Total	Family held		Other than family held		
					Total	10 or less stock-holders	Total	10 or less stock-holders	
FARMS AND LAND IN FARMS									
Farms number	51 172	45 166	4 662	1 167	1 056	1 042	111	99	177
percent	100.0	88.3	9.1	2.3	2.1	2.0	.2	.2	.3
Land in farms acres	10 316 861	7 848 652	1 851 919	557 706	518 500	502 590	39 206	31 431	58 584
Average size of farm acres	202	174	397	478	491	482	353	317	331
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD									
Total sales (see text) farms	51 172	45 166	4 662	1 167	1 056	1 042	111	99	177
$1,000	2 545 078	1 520 385	569 770	445 461	349 488	340 568	95 973	58 730	9 462
Average per farm dollars	49 736	33 662	122 216	381 715	330 955	326 841	864 623	593 236	53 455
Farms by value of sales:									
Less than $1,000 (see text)	6 578	6 202	253	97	86	84	11	11	26
$1,000 to $2,499	6 092	5 755	260	46	40	39	6	5	31
$2,500 to $4,999	6 774	6 371	339	42	36	35	6	5	22
$5,000 to $9,999	7 548	7 014	454	59	47	47	12	11	21
$10,000 to $19,999	6 617	6 034	486	69	59	59	10	10	26
$20,000 to $24,999	1 843	1 635	169	29	25	25	4	4	10
$25,000 to $39,999	3 525	3 132	331	57	52	52	5	5	5
$40,000 to $49,999	1 477	1 290	148	35	32	32	3	2	4
$50,000 to $99,999	4 322	3 581	606	121	113	112	8	7	14
$100,000 to $249,999	4 339	3 195	911	224	213	211	11	11	9
$250,000 to $499,999	1 469	753	514	198	183	180	15	14	4
$500,000 to $999,999	433	166	146	117	108	106	9	7	4
$1,000,000 or more	155	38	43	73	62	60	11	7	1
Grains farms	25 844	22 594	2 725	433	410	406	29	25	86
$1,000	578 016	421 481	116 143	38 990	37 723	37 259	1 267	1 123	1 402
Sales of $50,000 or more farms	2 952	2 099	642	206	196	193	10	9	5
$1,000	345 512	221 141	88 421	35 162	34 199	33 738	963	(D)	788
Corn for grain farms	19 198	16 678	2 089	366	342	338	24	23	65
$1,000	284 353	199 631	62 765	21 661	21 036	20 774	645	(D)	776
Wheat farms	10 011	8 502	1 254	233	218	216	15	13	22
$1,000	42 448	31 390	8 128	(D)	(D)	(D)	(D)	(D)	(D)
Soybeans farms	12 670	11 053	1 381	195	182	179	13	13	41
$1,000	172 993	133 301	31 411	7 798	7 511	7 347	287	287	483
Sorghum for grain farms	16	15	1	-	-	-	-	-	-
$1,000	40	(D)	(D)	-	-	-	-	-	-
Barley farms	658	568	80	10	10	10	-	-	2
$1,000	2 527	(D)	(D)	(D)	(D)	(D)	-	-	(D)
Oats farms	6 373	5 556	708	99	90	90	9	8	10
$1,000	12 767	10 223	2 016	513	(D)	(D)	(D)	(D)	15
Other grains farms	4 687	3 954	571	155	147	147	8	6	7
$1,000	62 389	44 936	(D)	5 979	5 772	5 772	207	(D)	(D)
Cotton and cottonseed farms	-	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-	-
Sales of $50,000 or more farms	-	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-	-
Tobacco farms	-	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-	-
Sales of $50,000 or more farms	-	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-	-
Hay, silage, and field seeds farms	11 676	10 707	966	159	144	140	15	13	44
$1,000	53 956	44 391	7 494	1 800	1 656	1 578	144	(D)	271
Sales of $50,000 or more farms	83	52	23	7	7	6	-	-	1
$1,000	7 516	4 586	2 081	(D)	(D)	(D)	-	-	(D)
Vegetables, sweet corn, and melons farms	3 267	2 749	367	141	131	127	10	9	10
$1,000	136 925	73 283	28 097	35 480	33 282	28 576	2 198	(D)	66
Sales of $50,000 or more farms	540	345	115	80	74	72	6	6	-
$1,000	109 985	50 826	24 530	34 629	32 463	(D)	2 166	2 166	-
Fruits, nuts, and berries farms	3 926	3 242	473	194	176	174	16	15	17
$1,000	163 847	90 271	36 995	36 037	31 912	30 693	4 125	(D)	544
Sales of $50,000 or more farms	795	495	184	113	104	101	9	8	3
$1,000	131 184	63 345	32 924	34 505	30 440	29 223	4 066	(D)	410
Nursery and greenhouse crops farms	1 543	1 131	135	271	249	249	22	20	6
$1,000	215 912	63 630	19 759	132 387	89 317	89 317	43 070	(D)	138
Sales of $50,000 or more farms	507	262	59	185	174	174	11	10	1
$1,000	203 169	53 345	(D)	131 055	88 146	88 146	42 909	(D)	(D)
Other crops farms	2 007	1 569	294	137	134	134	3	2	7
$1,000	124 146	71 159	26 211	26 703	26 233	26 233	470	(D)	73
Sales of $50,000 or more farms	675	410	155	110	107	107	3	2	-
$1,000	100 597	51 095	23 503	25 998	25 528	25 528	470	(D)	-
Poultry and poultry products farms	2 063	1 842	146	52	44	43	8	6	23
$1,000	116 432	31 346	13 505	71 398	44 510	(D)	26 889	(D)	183
Sales of $50,000 or more farms	182	119	31	30	24	23	6	5	2
$1,000	114 271	29 576	(D)	71 305	(D)	(D)	(D)	(D)	(D)
Dairy products farms	5 951	4 633	1 206	93	90	89	3	3	19
$1,000	568 249	380 039	180 541	24 478	23 999	(D)	479	479	3 191
Sales of $50,000 or more farms	3 618	2 555	964	84	82	81	2	2	15
$1,000	512 675	311 048	174 273	24 197	(D)	23 645	(D)	(D)	3 156
Cattle and calves farms	18 164	15 782	2 091	230	217	213	13	10	61
$1,000	320 270	190 639	80 564	47 058	44 929	44 233	2 129	708	2 009
Sales of $50,000 or more farms	840	514	257	63	59	56	4	2	6
$1,000	191 890	87 480	58 358	44 469	42 466	41 790	2 003	(D)	1 582

See footnotes at end of table.

Table 49. **Summary by Type of Organization: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Individual or family	Partnership	Corporation					Other—cooperative, estate or trust, institutional, etc.
				Total	Family held		Other than family held		
					Total	10 or less stock-holders	Total	10 or less stock-holders	
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.									
Total sales (see text)—Con.									
Hogs and pigs ... farms	5 603	4 904	585	83	67	66	16	12	31
$1,000	226 148	151 224	55 696	18 052	11 981	(D)	6 071	4 319	1 177
Sales of $50,000 or more ... farms	994	743	201	44	31	31	13	10	6
$1,000	184 015	114 669	50 639	17 632	11 608	11 608	6 024	(D)	1 074
Sheep, lambs, and wool ... farms	2 072	1 900	140	22	16	15	6	4	10
$1,000	5 632	5 086	444	69	63	(D)	6	(D)	32
Sales of $50,000 or more ... farms	8	8	-	-	-	-	-	-	-
$1,000	786	786	-	-	-	-	-	-	-
Other livestock and livestock products (see text) ... farms	3 945	3 580	253	93	84	83	9	8	19
$1,000	35 546	17 837	4 321	13 009	3 884	(D)	9 126	(D)	378
Sales of $50,000 or more ... farms	91	57	19	13	12	12	1	-	2
$1,000	22 590	6 188	(D)	12 661	(D)	(D)	(D)	-	(D)
FARM PRODUCTION EXPENSES[1]									
Total farm production expenses ... farms	51 175	45 236	4 667	1 069	934	923	135	125	203
$1,000	2 211 823	1 352 954	469 369	381 471	294 691	288 837	86 780	53 077	8 030
Average per farm ... dollars	43 221	29 909	100 572	356 848	315 515	312 933	642 818	424 614	39 555
Livestock and poultry purchased ... farms	15 088	13 246	1 560	240	194	191	46	39	42
$1,000	190 386	106 608	43 481	39 265	33 566	33 147	5 699	2 610	1 031
Farms with expenses of—									
$1 to $4,999	10 826	9 851	882	63	48	48	15	14	30
$5,000 to $24,999	3 103	2 617	402	77	66	66	11	9	7
$25,000 to $99,999	875	633	194	43	35	34	8	7	3
$100,000 or more	286	145	82	57	45	43	12	9	2
Feed for livestock and poultry ... farms	23 220	20 325	2 477	374	312	308	62	55	44
$1,000	273 192	149 047	64 991	57 721	36 313	35 851	21 408	10 045	1 433
Farms with expenses of—									
$1 to $4,999	16 437	15 260	1 036	117	88	88	29	28	24
$5,000 to $24,999	4 529	3 650	748	120	107	104	13	13	11
$25,000 to $99,999	1 905	1 250	584	67	61	61	6	6	4
$100,000 or more	349	165	109	70	56	55	14	8	5
Commercially mixed formula feeds ... farms	11 999	10 104	1 637	224	186	184	38	33	34
$1,000	153 493	76 164	31 847	44 873	25 755	(D)	19 118	8 641	608
Farms with expenses of—									
$1 to $4,999	7 909	7 225	587	78	56	56	22	21	19
$5,000 to $24,999	3 065	2 244	749	63	61	60	2	2	9
$25,000 to $79,999	826	528	255	38	32	32	6	5	5
$80,000 or more	199	107	46	45	37	36	8	5	1
Seeds, bulbs, plants, and trees ... farms	35 507	30 881	3 721	788	723	715	65	61	117
$1,000	111 895	68 700	20 835	22 098	17 264	17 114	4 834	4 719	262
Farms with expenses of—									
$1 to $999	18 698	17 406	1 101	121	92	91	29	27	70
$1,000 to $4,999	11 636	9 976	1 429	200	182	181	18	18	31
$5,000 to $24,999	4 689	3 285	1 057	332	323	320	9	8	15
$25,000 or more	484	214	134	135	126	123	9	8	1
Commercial fertilizer ... farms	37 298	32 364	3 975	833	768	760	65	62	126
$1,000	194 526	134 781	43 238	16 043	15 282	15 074	761	708	464
Farms with expenses of—									
$1 to $4,999	27 886	25 377	2 080	321	279	277	42	41	108
$5,000 to $24,999	7 757	6 024	1 402	317	300	297	17	16	14
$25,000 to $49,999	1 265	795	346	120	118	117	2	1	4
$50,000 or more	390	168	147	75	71	69	4	4	-
Agricultural chemicals ... farms	35 505	30 628	3 843	886	815	806	71	65	148
$1,000	119 993	79 066	25 909	14 587	13 304	12 912	1 283	1 219	430
Farms with expenses of—									
$1 to $4,999	29 675	26 552	2 565	422	372	371	50	48	136
$5,000 to $24,999	5 100	3 733	1 054	304	295	293	9	6	9
$25,000 to $49,999	513	257	164	90	83	80	7	6	2
$50,000 or more	217	86	60	70	65	62	5	5	1
Petroleum products ... farms	48 558	42 813	4 541	1 023	912	901	111	101	181
$1,000	120 621	80 767	24 291	15 145	13 058	12 874	2 086	1 166	419
Farms with expenses of—									
$1 to $4,999	42 313	38 718	2 960	471	391	388	80	77	164
$5,000 to $24,999	5 863	3 964	1 468	415	396	392	19	15	16
$25,000 to $49,999	285	109	93	83	79	75	4	3	-
$50,000 or more	97	22	20	54	46	46	8	6	1
Gasoline and gasohol ... farms	41 658	36 672	3 907	924	825	814	99	91	155
$1,000	42 655	31 521	7 595	3 371	3 005	2 931	367	324	168
Diesel fuel ... farms	29 904	25 570	3 419	816	746	739	70	66	99
$1,000	50 970	34 384	11 329	5 126	4 833	4 770	293	254	131
Natural gas ... farms	1 941	1 428	300	197	181	179	16	10	16
$1,000	9 571	3 390	1 431	4 706	3 455	(D)	1 251	435	44
LP gas, fuel oil, kerosene, motor oil, grease, etc. ... farms	35 310	30 361	3 854	946	858	847	88	83	129
$1,000	17 425	11 471	3 938	1 941	1 766	(D)	175	153	76

See footnotes at end of table.

Table 49. **Summary by Type of Organization: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Individual or family	Partnership	Corporation					Other—cooperative, estate or trust, institutional, etc.
					Family held		Other than family held		
				Total	Total	10 or less stock-holders	Total	10 or less stock-holders	
FARM PRODUCTION EXPENSES[1] —Con.									
Total farm production expenses—Con.									
Electricity farms	38 590	33 695	3 824	944	855	844	89	80	127
$1,000	47 789	30 437	10 220	6 933	5 187	5 048	1 746	950	199
Farms with expenses of—									
$1 to $999	28 298	26 112	1 785	294	264	261	30	30	107
$1,000 to $4,999	8 382	6 594	1 427	348	318	315	30	28	13
$5,000 to $24,999	1 817	969	592	251	234	231	17	13	5
$25,000 or more	93	20	20	51	39	37	12	9	2
Hired farm labor farms	18 134	15 017	2 231	826	745	737	81	71	60
$1,000	242 445	108 779	48 616	63 284	62 490	60 580	20 785	12 029	1 767
Farms with expenses of—									
$1 to $4,999	12 177	10 980	982	172	134	134	38	36	43
$5,000 to $24,999	3 744	2 878	674	190	180	179	10	9	2
$25,000 to $99,999	1 856	1 053	496	297	280	276	17	14	10
$100,000 or more	357	106	79	167	151	148	16	12	5
Contract labor farms	4 652	3 763	584	277	230	229	47	43	28
$1,000	27 733	15 363	4 604	7 647	3 668	(D)	3 978	3 893	119
Farms with expenses of—									
$1 to $999	2 093	1 833	181	65	48	47	17	17	14
$1,000 to $4,999	1 582	1 267	220	85	76	76	9	8	10
$5,000 to $24,999	806	579	148	77	66	66	11	10	2
$25,000 or more	171	84	35	50	40	40	10	8	2
Repair and maintenance farms	43 440	38 092	4 215	978	870	861	108	99	155
$1,000	152 652	104 782	30 957	16 373	13 865	13 613	2 507	1 689	540
Farms with expenses of—									
$1 to $4,999	35 400	32 347	2 526	389	325	323	64	61	138
$5,000 to $24,999	7 271	5 402	1 432	424	393	391	31	29	13
$25,000 to $49,999	599	293	206	98	93	90	5	4	2
$50,000 or more	170	50	51	67	59	57	8	5	2
Customwork, machine hire, and rental of machinery and equipment farms	17 732	15 345	1 880	412	378	377	34	28	95
$1,000	34 043	22 826	6 079	5 006	3 514	(D)	1 492	(D)	133
Farms with expenses of—									
$1 to $999	10 922	9 947	806	100	89	89	11	10	69
$1,000 to $4,999	5 482	4 512	799	151	143	143	8	8	20
$5,000 to $24,999	1 208	838	242	122	114	113	8	6	6
$25,000 or more	120	48	33	39	32	32	7	4	-
Interest expense farms	25 197	21 439	2 962	748	661	656	87	85	48
$1,000	197 966	133 415	41 904	22 525	18 026	17 670	4 499	(D)	122
Farms with expenses of—									
$1 to $4,999	16 167	14 454	1 418	253	221	220	32	32	42
$5,000 to $24,999	7 257	5 911	1 037	303	273	272	30	30	6
$25,000 to $99,999	1 658	1 038	475	145	129	127	16	14	-
$100,000 or more	115	36	32	47	38	37	9	9	-
Secured by real estate farms	19 208	16 463	2 203	509	445	443	64	62	33
$1,000	143 627	97 473	30 370	15 678	11 809	(D)	3 868	(D)	106
Farms with expenses of—									
$1 to $999	3 710	3 395	285	22	14	14	8	8	8
$1,000 to $4,999	8 262	7 413	693	136	113	113	23	23	20
$5,000 to $24,999	6 052	4 986	849	212	202	202	10	10	5
$25,000 or more	1 184	669	376	139	116	114	23	21	-
Not secured by real estate farms	13 182	11 136	1 587	443	384	380	59	59	16
$1,000	54 339	35 942	11 534	6 847	6 216	(D)	631	631	17
Farms with expenses of—									
$1 to $999	5 228	4 741	401	74	63	62	11	11	12
$1,000 to $4,999	5 274	4 513	594	164	133	133	31	31	3
$5,000 to $24,999	2 336	1 708	493	134	124	123	10	10	1
$25,000 or more	344	174	99	71	64	62	7	7	-
Cash rent farms	15 070	12 238	2 288	516	484	477	32	32	28
$1,000	101 910	64 099	25 658	12 056	11 010	10 636	1 046	1 046	97
Farms with expenses of—									
$1 to $4,999	10 324	8 848	1 281	173	152	152	21	21	22
$5,000 to $9,999	2 078	1 637	357	81	80	80	1	1	3
$10,000 to $24,999	1 738	1 267	355	113	111	108	2	2	3
$25,000 or more	930	486	295	149	141	137	8	8	-
Property taxes farms	48 191	42 797	4 321	903	787	776	116	107	170
$1,000	157 280	121 002	26 231	9 493	8 200	7 958	1 293	1 034	555
Farms with expenses of—									
$1 to $4,999	40 046	36 924	2 606	369	296	294	73	72	147
$5,000 to $9,999	5 386	4 283	865	221	208	207	13	8	17
$10,000 to $24,999	2 444	1 464	742	234	213	208	21	20	4
$25,000 or more	315	126	108	79	70	67	9	6	2
All other farm production expenses farms	46 587	40 903	4 465	1 057	925	916	132	123	162
$1,000	239 391	133 283	52 355	53 295	39 933	39 201	13 362	6 854	458
Farms with expenses of—									
$1 to $4,999	38 311	35 057	2 673	436	343	343	93	91	145
$5,000 to $24,999	6 496	4 883	1 235	366	346	343	20	18	12
$25,000 to $49,999	1 117	682	334	97	93	89	4	4	4
$50,000 or more	663	281	223	158	143	141	15	10	1

See footnotes at end of table.

Table 49. **Summary by Type of Organization: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Total	Individual or family	Partnership	Corporation					Other—cooperative, estate or trust, institutional, etc.
						Family held		Other than family held		
					Total	Total	10 or less stock-holders	Total	10 or less stock-holders	
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT[1]										
All farms	number	51 175	45 236	4 667	1 069	934	923	135	125	203
	$1,000	319 953	155 227	100 339	63 637	55 156	52 239	8 482	5 001	749
Average per farm	dollars	6 252	3 432	21 500	59 530	59 053	56 597	62 829	40 006	3 691
Farms with net gains[2]	number	21 623	18 090	2 760	691	649	639	42	37	82
Average net gain	dollars	23 491	17 235	43 755	106 594	97 718	94 445	243 747	175 622	21 389
Gain of—										
Less than $1,000		3 082	2 888	162	25	23	23	2	2	7
$1,000 to $9,999		9 235	8 267	794	122	121	117	1	1	52
$10,000 to $49,999		6 613	5 397	976	227	210	209	17	16	13
$50,000 or more		2 693	1 538	828	317	295	290	22	18	10
Farms with net losses	number	29 552	27 146	1 907	378	285	284	93	88	121
Average net loss	dollars	6 362	5 767	10 711	26 505	28 994	(D)	18 875	17 015	8 303
Loss of—										
Less than $1,000		4 347	4 071	237	12	12	12	-	-	27
$1,000 to $9,999		20 539	19 186	1 132	140	81	81	59	56	81
$10,000 to $49,999		4 375	3 725	463	179	154	154	25	24	8
$50,000 or more		291	164	75	47	38	37	9	8	5
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME										
Government payments	farms	19 666	16 827	2 412	384	355	349	29	27	43
	$1,000	223 470	158 982	52 223	11 514	10 972	10 844	542	(D)	751
Other farm-related income[1]	farms	11 845	10 189	1 347	252	229	226	23	22	57
	$1,000	37 093	29 345	5 312	2 316	2 273	2 270	42	(D)	120
Customwork and other agricultural services	farms	4 489	3 701	660	112	108	107	4	4	16
	$1,000	14 787	11 401	2 587	777	760	(D)	17	17	22
Gross cash rent or share payments	farms	3 973	3 600	261	79	67	67	12	11	33
	$1,000	10 076	8 864	798	361	(D)	(D)	(D)	(D)	53
Forest products and Christmas trees	farms	1 731	1 508	169	46	44	42	2	2	8
	$1,000	5 537	4 041	709	752	(D)	749	(D)	(D)	35
Other farm-related income sources	farms	3 533	2 948	479	98	90	89	8	8	8
	$1,000	6 693	5 039	1 218	426	410	(D)	16	16	11
COMMODITY CREDIT CORPORATION LOANS										
Total	farms	7 081	5 739	1 112	216	205	201	11	10	14
	$1,000	151 146	99 592	39 046	12 098	11 674	11 281	424	(D)	409
Corn	farms	6 720	5 415	1 082	211	200	196	11	10	12
	$1,000	135 370	88 279	35 875	10 812	10 486	10 190	326	(D)	406
Wheat	farms	522	411	90	20	17	17	3	3	1
	$1,000	2 150	1 157	542	(D)	422	422	(D)	(D)	(D)
Soybeans	farms	542	442	79	19	16	13	3	3	2
	$1,000	11 105	8 141	2 462	(D)	(D)	338	65	65	(D)
Sorghum, barley, and oats	farms	177	148	26	3	2	2	1	1	-
	$1,000	351	262	44	44	(D)	(D)	(D)	(D)	-
Cotton	farms	-	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey	farms	169	155	10	3	3	3	-	-	1
	$1,000	2 170	1 753	124	(D)	(D)	(D)	-	-	(D)
LAND IN FARMS ACCORDING TO USE										
Total cropland	farms	48 653	42 941	4 450	1 100	1 005	993	95	85	162
	acres	8 181 320	6 139 834	1 551 116	458 668	432 637	422 085	26 031	22 249	31 702
Harvested cropland	farms	46 017	40 522	4 301	1 045	958	946	87	77	149
	acres	6 172 468	4 555 734	1 229 684	365 585	346 607	338 484	18 978	16 951	21 465
Farms by acres harvested:										
1 to 49 acres		21 716	20 160	1 101	375	331	330	44	38	80
50 to 99 acres		8 682	7 904	639	112	100	99	12	11	27
100 to 199 acres		6 866	6 004	721	124	116	114	8	8	17
200 to 499 acres		6 088	4 824	1 066	181	175	175	6	5	17
500 to 999 acres		2 075	1 361	556	154	139	135	15	13	4
1,000 to 1,999 acres		518	243	189	83	82	78	1	1	3
2,000 acres or more		72	26	29	16	15	15	1	1	1
Cropland:										
Pasture or grazing only	farms	16 096	14 421	1 412	225	208	204	17	16	38
	acres	518 589	435 524	65 389	15 649	(D)	13 600	(D)	(D)	2 027
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured	farms	10 093	8 723	1 089	251	231	230	20	17	30
	acres	440 552	333 072	78 814	25 194	23 078	(D)	2 116	1 807	3 472
On which all crops failed	farms	3 746	3 286	379	65	60	60	5	5	16
	acres	90 181	70 930	15 272	3 321	3 129	3 129	192	192	658
In cultivated summer fallow	farms	5 130	4 478	538	95	90	89	5	5	19
	acres	139 260	111 119	22 273	5 217	(D)	(D)	(D)	(D)	651
Idle	farms	17 994	15 568	1 913	455	414	404	41	38	58
	acres	820 270	633 455	139 684	43 702	39 689	38 803	4 013	2 668	3 429
Total woodland	farms	27 107	23 885	2 616	514	476	468	38	34	92
	acres	1 253 543	1 002 453	177 208	61 786	51 462	47 498	10 324	6 581	12 096
Woodland pastured	farms	6 101	5 427	568	86	81	77	5	5	20
	acres	229 240	183 436	29 596	13 471	12 285	11 385	1 186	1 186	2 737
Woodland not pastured	farms	23 871	20 977	2 343	471	436	429	35	31	80
	acres	1 024 303	819 017	147 612	43 315	39 177	36 113	9 138	5 395	9 359

See footnotes at end of table.

Table 49. **Summary by Type of Organization: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Total	Individual or family	Partnership	Corporation: Total	Family held: Total	Family held: 10 or less stock-holders	Other than family held: Total	Other than family held: 10 or less stock-holders	Other—cooperative, estate or trust, institutional, etc.
LAND IN FARMS ACCORDING TO USE—Con.										
Pastureland and rangeland other than cropland and woodland pastured	farms	6 852	6 103	605	118	109	108	9	8	26
	acres	230 074	185 357	29 745	8 290	7 869	(D)	421	(D)	6 682
Land in house lots, ponds, roads, wasteland, etc.	farms	37 216	32 929	3 319	842	767	758	75	66	126
	acres	651 924	521 008	93 850	28 962	26 532	(D)	2 430	(D)	8 104
Cropland under federal acreage reduction programs:										
Annual commodity acreage adjustment programs	farms	16 012	13 531	2 095	350	327	323	23	22	36
	acres	751 325	539 389	169 197	39 860	37 807	37 119	2 053	(D)	2 879
Conservation reserve program	farms	851	720	109	22	20	20	2	2	-
	acres	38 874	29 681	7 126	2 067	(D)	(D)	(D)	(D)	-
Value of land and buildings[1]	farms	51 175	45 236	4 667	1 069	934	923	135	125	203
	$1,000	10 033 617	7 505 142	1 724 464	750 396	652 123	635 114	98 273	80 800	53 615
Average per farm	dollars	196 065	165 911	369 502	701 961	698 204	688 098	727 948	646 400	264 113
Average per acre	dollars	971	959	913	1 334	1 259	1 261	2 191	2 174	1 002
Farms by value group:										
$1 to $39,999		6 878	6 297	458	55	35	35	20	18	68
$40,000 to $69,999		9 417	8 816	511	54	46	46	8	8	36
$70,000 to $99,999		8 555	8 027	459	49	37	37	12	11	20
$100,000 to $149,999		7 959	7 410	458	82	61	61	21	21	9
$150,000 to $199,999		4 711	4 232	414	57	56	56	1	1	8
$200,000 to $499,999		9 376	7 752	1 280	296	274	272	22	22	48
$500,000 to $999,999		3 044	2 083	705	250	228	226	22	19	6
$1,000,000 to $1,999,999		975	518	297	157	135	132	22	21	3
$2,000,000 to $4,999,999		237	92	83	59	56	52	3	1	3
$5,000,000 or more		23	9	2	10	6	6	4	3	2
VALUE OF MACHINERY AND EQUIPMENT[1]										
Estimated market value of all machinery and equipment	farms	51 085	45 146	4 667	1 069	934	923	135	125	203
	$1,000	2 347 585	1 739 879	430 427	169 301	150 707	147 994	18 594	10 757	7 977
Farms by value group:										
$1 to $4,999		4 330	4 059	207	45	32	32	13	13	19
$5,000 to $9,999		10 003	9 447	436	55	38	38	17	17	65
$10,000 to $19,999		9 792	9 132	533	90	65	65	25	24	37
$20,000 to $49,999		12 783	11 450	1 077	202	168	165	34	33	54
$50,000 to $99,999		7 353	6 285	906	154	142	142	12	12	8
$100,000 to $199,999		4 551	3 495	805	239	224	222	15	14	12
$200,000 to $499,999		2 063	1 215	625	217	205	200	12	8	6
$500,000 or more		210	63	78	67	60	59	7	4	2
SELECTED MACHINERY AND EQUIPMENT[1]										
Motortrucks, including pickups	farms	43 238	37 908	4 195	975	867	858	108	99	160
	number	77 231	62 644	10 461	3 809	3 425	3 377	384	313	317
Wheel tractors	farms	47 507	41 884	4 433	997	879	870	118	110	193
	number	143 734	118 979	18 933	5 232	4 613	4 534	619	535	590
Less than 40 horsepower (PTO)	farms	29 681	26 415	2 561	581	531	527	50	45	124
	number	51 330	44 548	5 056	1 484	1 388	1 377	96	75	242
40 horsepower (PTO) or more	farms	36 848	31 979	3 871	840	742	733	98	91	158
	number	92 404	74 431	13 877	3 748	3 225	3 157	523	460	348
Grain and bean combines	farms	20 160	17 225	2 500	396	370	365	26	20	39
	number	23 587	19 917	3 116	497	467	459	30	23	57
Cottonpickers and strippers	farms	-	-	-	-	-	-	-	-	-
	number	-	-	-	-	-	-	-	-	-
Mower conditioners	farms	19 528	16 869	2 328	290	249	244	41	41	41
	number	21 051	17 931	2 596	475	432	427	43	43	49
Pickup balers	farms	21 716	18 850	2 507	307	255	249	52	48	52
	number	24 924	21 412	3 084	360	307	298	53	49	68
AGRICULTURAL CHEMICALS[1]										
Commercial fertilizer	farms	37 282	32 350	3 975	833	768	760	65	62	124
	acres on which used	5 300 902	3 825 908	1 121 208	336 289	319 015	314 225	17 274	15 509	17 497
Lime	farms	6 799	5 673	916	199	186	185	13	12	11
	acres on which used	301 302	216 589	59 843	23 884	22 993	(D)	891	(D)	986
	tons	566 902	404 469	117 524	43 747	42 326	(D)	1 421	(D)	1 162
Sprays, dusts, granules, fumigants, etc., to control—										
Insects on hay and other crops	farms	15 082	12 423	2 000	603	560	554	43	39	56
	acres on which used	1 532 318	1 008 139	376 226	143 271	134 411	131 039	8 860	8 376	4 682
Nematodes in crops	farms	2 132	1 641	341	138	126	126	12	12	12
	acres on which used	205 371	136 791	46 628	19 129	18 550	18 550	579	579	2 823
Diseases in crops and orchards	farms	5 320	4 246	689	351	321	316	30	28	34
	acres on which used	336 227	205 114	70 468	59 615	56 269	53 800	3 346	(D)	1 030
Weeds, grass, or brush in crops and pasture	farms	27 595	23 736	3 076	687	653	644	34	31	96
	acres on which used	3 800 607	2 716 123	803 702	266 964	254 762	248 481	12 202	11 159	13 818
Chemicals for defoliation or for growth control of crops or thinning of fruit	farms	2 204	1 726	318	147	143	140	4	4	13
	acres on which used	118 970	72 904	21 773	24 059	22 407	20 426	1 652	1 652	234

See footnotes at end of table.

Table 49. **Summary by Type of Organization: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Total	Individual or family	Partnership	Corporation					Other—cooperative, estate or trust, institutional, etc.
						Family held		Other than family held		
					Total	Total	10 or less stock-holders	Total	10 or less stock-holders	
TENURE AND RACE OF OPERATOR										
All operators		51 172	45 166	4 662	1 167	1 056	1 042	111	99	177
Full owners		31 186	28 519	1 937	613	542	535	71	63	117
Part owners		16 903	14 140	2 344	377	354	347	23	21	42
Tenants		3 083	2 507	381	177	160	160	17	15	18
White		50 880	44 903	4 642	1 161	1 051	1 037	110	98	174
Full owners		30 964	28 316	1 925	608	537	530	71	63	115
Part owners		16 843	14 087	2 339	376	354	347	22	20	41
Tenants		3 073	2 500	378	177	160	160	17	15	18
Black and other races		292	263	20	6	5	5	1	1	3
Full owners		222	203	12	5	5	5	-	-	2
Part owners		60	53	5	1	-	-	1	1	1
Tenants		10	7	3	-	-	-	-	-	-
OWNED AND RENTED LAND										
Land owned	farms	48 162	42 723	4 288	992	898	884	94	84	159
	acres	7 097 326	5 561 398	1 133 512	346 900	312 252	298 368	34 648	21 776	55 516
Owned land in farms	farms	48 089	42 659	4 281	990	896	882	94	84	159
	acres	6 754 515	5 271 256	1 100 713	329 058	300 543	288 074	28 515	21 360	53 486
Land rented or leased from others	farms	20 096	16 736	2 742	556	516	509	40	38	62
	acres	3 587 514	2 595 911	754 562	231 662	220 881	217 440	10 781	10 121	5 379
Rented or leased land in farms	farms	19 986	16 647	2 725	554	514	507	40	38	60
	acres	3 562 346	2 577 396	751 206	228 648	217 957	214 516	10 691	10 071	5 096
Land rented or leased to others	farms	5 571	4 981	444	122	109	106	13	10	24
	acres	367 979	308 657	36 155	20 856	14 633	13 218	6 223	469	2 311
OPERATOR CHARACTERISTICS										
Operators by place of residence:										
On farm operated		41 967	37 473	3 673	735	695	688	40	37	86
Not on farm operated		6 332	5 128	776	350	289	285	61	53	78
Not reported		2 873	2 565	213	82	72	69	10	9	13
Operators by principal occupation:										
Farming		26 112	21 966	3 237	838	778	768	60	52	71
Other		25 060	23 200	1 425	329	278	274	51	47	106
Operators by days of work off farm:										
None		19 384	16 213	2 431	668	615	609	53	45	72
Any		29 155	26 626	2 003	426	373	369	53	49	100
1 to 99 days		4 058	3 490	441	116	102	102	14	11	11
100 to 199 days		4 279	3 862	336	65	59	57	6	6	16
200 days or more		20 818	19 274	1 226	245	212	210	33	32	73
Not reported		2 633	2 327	228	73	68	64	5	5	5
Operators by years on present farm:										
2 years or less		2 081	1 794	190	64	53	53	11	9	13
3 or 4 years		2 996	2 659	252	75	60	60	15	14	10
5 to 9 years		7 171	6 370	610	161	138	136	23	20	30
10 years or more		30 863	27 260	2 867	660	621	614	39	37	76
Average years on present farm		20.0	19.9	21.9	18.7	19.5	19.5	11.4	11.7	17.6
Not reported		8 081	7 083	743	207	184	179	23	19	48
Operators by age group:										
Under 25 years		829	757	61	8	6	6	2	2	3
25 to 34 years		6 206	5 357	691	125	111	109	14	11	33
35 to 44 years		11 098	9 845	915	300	267	261	33	30	38
45 to 49 years		6 142	5 581	376	161	141	140	20	17	24
50 to 54 years		5 792	5 219	426	127	119	118	8	8	20
55 to 59 years		5 944	5 188	583	151	136	136	15	14	22
60 to 64 years		5 649	4 785	701	145	133	132	12	12	18
65 to 69 years		4 355	3 813	460	77	74	73	3	3	5
70 years and over		5 157	4 621	449	73	69	67	4	2	14
Average age		50.9	50.9	51.2	49.9	50.2	50.2	47.0	47.0	47.7
Operators by sex:										
Male		48 458	42 735	4 474	1 083	979	966	104	93	166
Female		2 714	2 431	188	84	77	76	7	6	11
Operators of Spanish origin (see text)		122	103	15	4	4	4	-	-	-
FARMS BY TYPE OF ORGANIZATION										
Individual or family (sole proprietorship)	farms	45 166	45 166	-	-	-	-	-	-	-
	acres	7 848 652	7 848 652	-	-	-	-	-	-	-
Partnership	farms	4 662	-	4 662	-	-	-	-	-	-
	acres	1 851 919	-	1 851 919	-	-	-	-	-	-
Corporation:										
Family held	farms	1 056	-	-	1 056	1 056	1 042	-	-	-
	acres	518 500	-	-	518 500	518 500	502 590	-	-	-
More than 10 stockholders	farms	14	-	-	14	14	-	-	-	-
10 or less stockholders	farms	1 042	-	-	1 042	1 042	1 042	-	-	-
Other than family held	farms	111	-	-	111	-	-	111	99	-
	acres	39 206	-	-	39 206	-	-	39 206	31 431	-
More than 10 stockholders	farms	12	-	-	12	-	-	12	-	-
10 or less stockholders	farms	99	-	-	99	-	-	99	99	-
Other—cooperative, estate or trust, institutional, etc.	farms	177	-	-	-	-	-	-	-	177
	acres	58 584	-	-	-	-	-	-	-	58 584

See footnotes at end of table.

Table 49. **Summary by Type of Organization: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Individual or family	Partnership	Corporation					Other—cooperative, estate or trust, institutional, etc.
					Family held		Other than family held		
				Total	Total	10 or less stock-holders	Total	10 or less stock-holders	
FARMS BY SIZE									
1 to 9 acres	2 866	2 482	236	132	113	113	19	16	16
10 to 49 acres	12 174	11 316	617	197	173	172	24	22	44
50 to 69 acres	3 667	3 420	188	46	42	42	4	4	13
70 to 99 acres	6 467	6 010	382	60	48	48	12	11	15
100 to 139 acres	5 478	5 044	344	70	60	60	10	9	20
140 to 179 acres	4 167	3 777	316	65	58	58	7	7	9
180 to 219 acres	2 833	2 545	239	43	41	41	2	2	6
220 to 259 acres	2 222	1 963	225	29	28	28	1	1	5
260 to 499 acres	6 274	5 265	833	151	146	144	5	4	26
500 to 999 acres	3 667	2 600	850	205	191	187	14	13	12
1,000 to 1,999 acres	1 134	659	339	130	119	113	11	9	6
2,000 acres or more	223	85	93	39	37	36	2	1	6
FARMS BY STANDARD INDUSTRIAL CLASSIFICATION									
Cash grains (011)	15 745	14 223	1 292	184	172	172	12	11	46
Field crops, except cash grains (013)	5 654	5 185	326	120	109	106	11	10	23
Cotton (0131)	-	-	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	5 654	5 185	326	120	109	106	11	10	23
Vegetables and melons (016)	1 758	1 521	160	72	63	61	9	8	5
Fruits and tree nuts (017)	3 307	2 733	389	170	155	151	15	14	15
Horticultural specialties (018)	1 311	940	115	252	231	231	21	20	4
General farms, primarily crop (019)	2 184	2 002	139	31	31	31	-	-	12
Livestock, except dairy, poultry, and animal specialties (021)	12 124	11 076	871	131	109	106	22	17	46
Beef cattle, except feedlots (0212)	4 605	4 304	248	36	34	33	2	2	17
Dairy farms (024)	5 190	4 041	1 063	81	78	77	3	3	14
Poultry and eggs (025)	455	381	40	33	26	25	7	6	1
Animal specialties (027)	2 931	2 641	198	83	72	70	11	10	9
General farms, primarily livestock and animal specialties (029)	504	423	69	10	10	10	-	-	2
LIVESTOCK									
Cattle and calves inventory farms	19 436	16 998	2 136	242	227	223	15	12	60
number	1 163 352	702 620	294 334	69 318	65 888	64 296	3 430	1 639	7 080
Farms with—									
1 to 9	5 321	5 027	246	30	25	25	5	5	18
10 to 49	7 897	7 259	559	58	55	55	3	2	21
50 to 99	2 904	2 507	366	24	24	23	-	-	7
100 to 199	2 045	1 508	490	44	42	42	2	1	3
200 to 499	1 078	625	391	55	51	49	4	4	7
500 or more	191	72	84	31	30	29	1	-	4
Cows and heifers that had calved farms	14 030	12 110	1 699	178	169	166	9	8	43
number	454 706	320 918	112 660	16 746	16 374	(D)	372	(D)	4 382
Beef cows farms	8 163	7 482	569	84	80	78	4	4	26
number	110 156	94 215	10 348	3 089	3 015	(D)	74	74	2 504
Farms with—									
1 to 9	4 691	4 386	258	34	32	32	2	2	13
10 to 49	3 136	2 824	268	37	36	36	1	1	7
50 to 99	257	217	33	5	4	4	1	1	2
100 to 199	61	46	9	3	3	3	-	-	3
200 to 499	16	8	1	5	5	3	-	-	2
500 or more	2	1	-	-	-	-	-	-	1
Milk cows farms	6 499	5 168	1 210	100	95	94	5	4	21
number	344 550	226 703	102 312	13 657	13 359	(D)	298	(D)	1 878
Farms with—									
1 to 4	719	686	26	5	3	3	2	1	2
5 to 9	241	218	19	3	3	3	-	-	1
10 to 49	2 874	2 524	328	15	14	14	1	1	7
50 to 99	1 724	1 252	446	21	21	20	-	-	5
100 to 199	791	427	323	38	36	36	2	2	3
200 to 499	141	58	65	15	15	15	-	-	3
500 or more	9	3	3	3	3	3	-	-	-
Heifers and heifer calves farms	13 710	11 812	1 682	172	163	161	9	7	44
number	372 907	250 598	100 250	19 998	19 170	(D)	828	(D)	2 061
Steers, steer calves, bulls, and bull calves farms	15 610	13 649	1 717	192	180	177	12	9	52
number	335 739	221 104	81 424	32 574	30 344	29 802	2 230	595	637
Cattle and calves sold farms	18 164	15 782	2 091	230	217	213	13	10	61
number	653 806	409 211	163 584	76 976	73 696	72 674	3 280	1 446	4 055
$1,000	320 270	190 639	80 564	47 058	44 929	44 233	2 129	708	2 009
Calves farms	8 447	7 165	1 143	111	106	105	5	5	28
number	183 302	124 674	46 950	10 877	9 835	(D)	1 042	1 042	801
$1,000	34 569	24 343	6 856	3 243	2 782	(D)	461	461	126
Cattle farms	16 208	14 020	1 927	206	195	191	11	8	55
number	470 504	284 537	116 614	66 099	63 861	(D)	2 238	404	3 254
$1,000	285 702	166 296	73 709	43 815	42 146	(D)	1 669	247	1 682
Fattened on grain and concentrates farms	7 067	6 197	756	89	83	81	6	3	25
number	281 874	148 803	75 283	57 692	55 560	(D)	2 132	296	2 096
$1,000	187 767	96 281	51 587	38 653	37 045	(D)	1 608	187	1 245

See footnotes at end of table.

Table 49. **Summary by Type of Organization: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Individual or family	Partnership	Corporation					Other—cooperative, estate or trust, institutional, etc.
					Family held		Other than family held		
				Total	Total	10 or less stock-holders	Total	10 or less stock-holders	
LIVESTOCK—Con.									
Hogs and pigs inventory ... farms	5 577	4 889	574	85	70	69	15	12	29
number	1 227 069	832 457	297 144	91 073	64 709	(D)	26 364	16 442	6 395
Farms with—									
1 to 24	2 249	2 068	145	21	21	20	-	-	15
25 to 49	680	633	43	2	2	2	-	-	2
50 to 99	717	645	61	8	6	6	2	2	3
100 to 199	635	546	78	8	8	8	-	-	3
200 to 499	660	548	101	11	9	9	2	2	-
500 or more	636	449	146	35	24	24	11	8	6
Used or to be used for breeding ... farms	3 523	3 057	395	48	39	38	9	6	23
number	183 586	128 213	43 438	10 822	7 296	(D)	3 526	1 807	1 113
Other ... farms	5 176	4 524	546	82	67	67	15	12	24
number	1 043 483	704 244	253 706	80 251	57 413	57 413	22 838	14 635	5 282
Hogs and pigs sold ... farms	5 603	4 904	585	83	67	66	16	12	31
number	2 215 872	1 506 776	511 742	185 332	114 686	(D)	70 646	44 874	12 022
$1,000	226 148	151 224	55 696	18 052	11 981	(D)	6 071	4 319	1 177
Feeder pigs ... farms	1 575	1 388	154	22	15	15	7	5	11
number	468 706	353 305	71 476	38 672	12 990	12 990	25 682	(D)	5 253
$1,000	21 840	16 514	3 574	1 489	566	566	923	(D)	262
Litters of pigs farrowed between—									
Dec. 1 of preceding year and Nov. 30 ... farms	3 714	3 235	406	50	41	40	9	6	23
number	252 915	172 237	61 242	17 520	11 274	(D)	6 246	3 383	1 916
Dec. 1 and May 31 ... farms	3 312	2 861	385	46	38	37	8	5	20
number	123 621	85 397	28 901	8 236	5 161	(D)	3 075	1 646	1 087
June 1 and Nov. 30 ... farms	3 316	2 867	382	48	39	38	9	6	19
number	129 294	86 840	32 341	9 284	6 113	(D)	3 171	1 737	829
Sheep and lambs of all ages inventory ... farms	2 057	1 891	133	23	17	16	6	4	10
number	101 330	90 820	8 758	1 424	1 299	(D)	125	(D)	328
Ewes 1 year old or older ... farms	1 857	1 701	126	23	17	16	6	4	7
number	62 036	56 006	4 897	971	886	(D)	85	(D)	162
Sheep and lambs sold ... farms	1 979	1 812	136	21	16	15	5	3	10
number	77 152	70 733	5 278	881	811	(D)	70	(D)	260
Sheep and lambs shorn ... farms	1 826	1 674	124	21	15	14	6	4	7
number	88 134	79 123	7 528	1 068	943	(D)	125	(D)	415
pounds of wool	655 169	589 031	55 496	8 081	7 080	(D)	1 001	(D)	2 561
Horses and ponies inventory ... farms	9 065	8 303	575	157	143	140	14	13	30
number	56 836	49 207	4 583	2 523	2 072	2 034	451	(D)	523
Horses and ponies sold ... farms	2 403	2 195	144	57	51	50	6	6	7
number	7 645	6 839	434	189	163	(D)	26	26	183
Goats inventory ... farms	1 234	1 146	67	16	15	15	1	-	5
number	21 405	18 097	2 042	971	(D)	(D)	(D)	-	295
Goats sold ... farms	469	440	21	7	7	7	-	-	1
number	9 252	8 718	312	(D)	(D)	(D)	-	-	(D)
POULTRY									
Chickens 3 months old or older inventory ... farms	3 550	3 252	226	58	48	46	10	9	14
number	8 428 623	2 721 120	839 706	4 840 658	3 425 846	(D)	1 414 812	(D)	27 139
Farms with—									
1 to 399	3 378	3 135	197	34	28	27	6	5	12
400 to 3,199	35	31	4	-	-	-	-	-	-
3,200 to 9,999	37	29	6	1	1	1	-	-	1
10,000 to 19,999	29	18	7	3	2	2	1	1	1
20,000 to 49,999	35	25	8	4	4	4	-	-	-
50,000 to 99,999	20	9	4	7	6	6	1	1	-
100,000 or more	16	5	2	9	7	6	2	2	-
Hens and pullets of laying age ... farms	3 490	3 194	225	58	48	46	10	9	13
number	7 152 993	2 081 472	(D)	4 265 038	(D)	(D)	(D)	(D)	(D)
Pullets 3 months old or older not of laying age ... farms	480	439	28	11	10	9	1	1	2
number	1 275 630	639 648	(D)	575 620	(D)	371 620	(D)	(D)	(D)
Hens and pullets sold ... farms	587	504	53	27	22	21	5	4	3
number	6 611 462	3 167 878	631 715	2 794 303	1 985 453	(D)	808 850	(D)	17 566
Broilers and other meat-type chickens sold ... farms	495	446	23	7	6	6	1	-	19
number	702 431	530 514	139 246	30 545	(D)	30 515	(D)	-	2 126
Farms with—									
1 to 1,999	482	437	21	5	4	4	1	-	19
2,000 to 59,999	8	5	1	2	2	2	-	-	-
60,000 to 99,999	2	2	-	-	-	-	-	-	-
100,000 or more	3	2	1	-	-	-	-	-	-
Turkey hens kept for breeding ... farms	169	157	8	3	3	3	-	-	1
number	60 229	26 099	(D)	30 009	30 009	30 009	-	-	(D)
Turkeys sold ... farms	281	249	23	8	6	6	2	1	1
number	2 906 878	668 337	(D)	1 690 698	(D)	390 526	(D)	(D)	(D)

See footnotes at end of table.

Table 49. **Summary by Type of Organization: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Total	Individual or family	Partnership	Corporation					Other—cooperative, estate or trust, institutional, etc.
					Total	Family held		Other than family held		
						Total	10 or less stock-holders	Total	10 or less stock-holders	
CROPS HARVESTED										
Corn for grain or seed	farms	25 140	21 764	2 851	443	413	408	30	26	82
	acres	1 982 401	1 427 386	437 470	110 077	105 486	103 031	4 591	3 749	7 468
	bushels	189 779 819	134 003 529	43 336 066	11 865 735	11 434 571	11 197 571	431 164	350 657	574 489
Irrigated	farms	979	742	178	53	48	48	5	4	6
	acres	134 704	87 833	29 775	14 169	13 873	13 873	296	(D)	2 927
Farms by acres harvested:										
1 to 24 acres		10 135	9 455	599	46	38	37	8	6	35
25 to 99 acres		9 569	8 412	1 006	116	109	108	7	7	35
100 to 249 acres		3 689	2 800	748	134	126	126	8	8	7
250 to 499 acres		1 229	813	326	86	81	81	5	4	4
500 acres or more		518	284	172	61	59	56	2	1	1
Corn for silage or green chop	farms	6 704	5 318	1 244	118	110	107	8	6	24
	acres	294 323	197 088	80 513	14 034	13 453	13 113	581	(D)	2 688
	tons, green	3 585 942	2 344 094	999 342	213 033	203 477	198 757	9 556	(D)	29 473
Irrigated	farms	116	69	39	7	5	3	2	2	1
	acres	5 807	2 789	2 253	(D)	(D)	400	(D)	(D)	(D)
Farms by acres harvested:										
1 to 24 acres		3 137	2 785	324	21	20	20	1	1	7
25 to 99 acres		2 850	2 131	658	49	45	43	4	3	12
100 to 249 acres		622	354	230	37	34	33	3	2	1
250 to 499 acres		75	38	26	8	8	8	-	-	3
500 acres or more		20	10	6	3	3	3	-	-	1
Wheat for grain	farms	10 327	8 787	1 280	237	222	220	15	13	23
	acres	356 073	269 199	65 975	20 007	18 741	(D)	1 266	(D)	892
	bushels	16 465 394	12 256 603	3 151 475	1 020 700	981 772	(D)	38 928	(D)	36 616
Irrigated	farms	80	55	17	8	8	8	-	-	-
	acres	5 851	2 505	785	2 561	2 561	2 561	-	-	-
Farms by acres harvested:										
1 to 24 acres		5 899	5 328	497	59	54	54	5	4	15
25 to 99 acres		3 776	3 038	620	112	103	102	9	8	6
100 to 249 acres		583	383	140	59	59	58	-	-	1
250 to 499 acres		58	34	19	4	4	4	-	-	1
500 acres or more		11	4	4	3	2	2	1	1	-
Oats for grain	farms	11 392	9 862	1 349	157	145	145	12	10	24
	acres	259 445	207 603	43 427	7 943	7 438	7 438	505	(D)	472
	bushels	14 634 547	11 551 852	2 575 126	487 581	458 231	458 231	29 350	(D)	20 188
Irrigated	farms	45	35	7	2	2	2	-	-	1
	acres	1 003	663	220	(D)	(D)	(D)	-	-	(D)
Soybeans for beans	farms	12 734	11 115	1 382	195	182	179	13	13	42
	acres	1 023 599	808 781	175 655	36 822	35 223	34 405	1 599	1 599	2 341
	bushels	36 267 622	28 114 723	6 581 608	1 485 747	1 422 885	1 402 310	62 862	62 862	85 544
Irrigated	farms	321	244	59	16	14	14	2	2	2
	acres	24 078	16 866	5 154	(D)	(D)	1 328	(D)	(D)	(D)
Farms by acres harvested:										
1 to 24 acres		3 797	3 512	256	11	8	8	3	3	18
25 to 99 acres		5 907	5 226	587	74	71	70	3	3	20
100 to 249 acres		2 220	1 822	336	60	54	53	6	6	2
250 to 499 acres		621	432	150	38	37	37	1	1	1
500 acres or more		189	123	53	12	12	11	-	-	1
Dry edible beans, excluding dry limas	farms	4 098	3 478	480	133	124	124	9	6	7
	acres	383 687	279 890	71 484	32 208	30 962	30 962	1 246	904	105
	cwt	4 931 689	3 560 774	919 062	450 794	430 999	430 999	19 795	12 977	1 059
Irrigated	farms	113	87	20	4	3	3	1	-	2
	acres	12 318	8 080	3 380	(D)	(D)	595	(D)	-	(D)
Farms by acres harvested:										
1 to 24 acres		1 034	929	89	10	9	9	1	-	6
25 to 99 acres		1 802	1 597	176	28	24	24	4	3	1
100 to 249 acres		912	756	116	40	38	38	2	2	-
250 to 499 acres		290	174	76	40	38	38	2	1	-
500 acres or more		60	22	23	15	15	15	-	-	-
Irish potatoes	farms	564	431	92	37	37	37	-	-	4
	acres	44 105	23 357	10 284	10 426	10 426	10 426	-	-	39
	cwt	10 109 515	5 195 623	2 261 666	2 648 050	2 648 050	2 648 050	-	-	4 176
Irrigated	farms	230	156	44	28	28	28	-	-	2
	acres	23 866	11 643	(D)	6 841	6 841	6 841	-	-	(D)
Farms by acres harvested:										
0.1 to 4.9 acres		204	189	13	1	1	1	-	-	1
5.0 to 24.9 acres		73	64	7	-	-	-	-	-	2
25.0 to 99.9 acres		125	89	27	8	8	8	-	-	1
100.0 to 249.9 acres		116	66	35	15	15	15	-	-	-
250.0 acres or more		46	23	10	13	13	13	-	-	-
Sugar beets for sugar	farms	1 435	1 137	197	98	95	95	3	2	3
	acres	138 623	87 743	27 679	23 124	22 439	22 439	685	(D)	77
	tons	2 759 381	1 743 119	545 528	469 230	454 328	454 328	14 902	(D)	1 504
Irrigated	farms	40	29	10	1	1	1	-	-	-
	acres	1 877	1 177	(D)	(D)	(D)	(D)	-	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	25 983	23 052	2 528	325	301	296	24	20	78
	acres	1 436 630	1 114 649	273 818	40 831	38 560	37 391	2 271	2 124	7 332
	tons, dry	3 323 175	2 491 505	704 231	108 668	102 096	98 860	6 572	6 025	18 771
Irrigated	farms	245	174	56	12	11	9	1	-	4
	acres	11 710	6 653	3 480	1 227	(D)	767	(D)	-	350

See footnotes at end of table.

Table 49. **Summary by Type of Organization: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Total	Individual or family	Partnership	Corporation					Other—cooperative, estate or trust, institutional, etc.
						Family held		Other than family held		
					Total	Total	10 or less stock-holders	Total	10 or less stock-holders	
CROPS HARVESTED—Con.										
Hay—**alfalfa, other tame, small grain, wild, grass silage, green chop, etc.** (see text)—Con.										
Farms by acres harvested:										
1 to 24 acres		12 059	11 293	652	84	78	78	6	5	30
25 to 99 acres		9 703	8 680	876	121	110	108	11	8	26
100 to 249 acres		3 358	2 571	710	66	63	62	3	3	11
250 to 499 acres		740	434	253	43	39	37	4	4	10
500 acres or more		123	74	37	11	11	11	-	-	1
Alfalfa hay	farms	22 439	19 884	2 203	287	264	259	23	19	65
	acres	971 083	778 126	163 530	27 352	25 371	24 282	1 981	1 869	4 075
	tons, dry	2 499 478	1 922 690	481 754	82 241	76 418	73 342	5 823	5 351	12 793
Irrigated	farms	195	141	39	11	10	8	1	-	4
	acres	7 561	4 433	1 755	1 137	(D)	757	(D)	-	236
Vegetables harvested for sale (see text)	farms	3 267	2 749	367	141	131	127	10	9	10
	acres	139 145	81 515	26 241	31 307	29 835	27 822	1 472	(D)	81
Irrigated	farms	908	709	114	83	76	74	7	6	2
	acres	53 780	26 429	(D)	20 034	19 721	(D)	313	(D)	(D)
Farms by acres harvested:										
0.1 to 4.9 acres		1 067	968	75	19	16	16	3	2	5
5.0 to 24.9 acres		1 122	1 011	85	21	20	19	1	1	5
25.0 to 99.9 acres		747	571	136	40	39	38	1	1	-
100.0 to 249.9 acres		235	157	43	35	33	32	2	2	-
250.0 acres or more		96	42	28	26	23	22	3	3	-
Snap beans harvested for sale	farms	510	426	63	19	18	18	1	1	2
	acres	21 198	12 415	(D)	5 846	(D)	5 836	(D)	(D)	(D)
Irrigated	farms	154	121	21	12	11	11	1	1	-
	acres	8 557	3 363	401	4 794	(D)	4 784	(D)	(D)	-
Land in orchards	farms	3 791	3 170	439	164	153	150	11	9	18
	acres	161 567	97 028	34 307	29 793	27 701	25 720	2 092	(D)	439
Irrigated	farms	504	379	69	52	50	48	2	2	4
	acres	17 815	8 563	3 327	5 821	(D)	4 601	(D)	(D)	104
Farms by bearing and nonbearing acres:										
0.1 to 4.9 acres		1 128	1 040	68	13	11	11	2	1	7
5.0 to 24.9 acres		1 261	1 137	96	22	18	18	4	4	6
25.0 to 99.9 acres		942	744	146	48	47	47	1	-	4
100.0 to 249.9 acres		365	223	100	41	39	38	2	2	1
250.0 acres or more		95	26	29	40	38	36	2	2	-
Apples	farms	2 516	2 062	309	133	127	125	6	5	12
Bearing and nonbearing	acres	73 244	42 008	16 710	14 334	12 920	(D)	1 414	(D)	192
	pounds	918 227 402	487 098 276	218 327 149	209 407 969	186 895 969	(D)	22 512 000	(D)	3 394 008
Cherries, total (see text)	farms	1 690	1 346	232	101	97	94	4	4	11
Bearing and nonbearing	acres	59 741	35 167	12 189	12 241	11 798	10 101	443	443	143
	pounds	254 177 979	141 451 343	53 408 382	58 866 921	58 167 421	48 995 421	699 500	699 500	451 333
Grapes (see text)	farms	989	870	88	22	17	17	5	4	9
Bearing and nonbearing	acres	11 932	8 852	2 202	812	739	739	73	(D)	66
Fresh weight	pounds	103 130 824	73 261 955	22 239 534	7 232 284	6 726 034	6 726 034	506 250	(D)	397 051
Berries harvested for sale	farms	1 427	1 227	135	60	52	50	8	8	5
	acres	17 540	10 587	3 635	3 212	2 575	(D)	637	637	107
Irrigated	farms	658	534	77	45	39	38	6	6	2
	acres	8 483	4 714	(D)	1 931	1 498	(D)	434	434	(D)

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[1] Data are based on a sample of farms.

[2] Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than $1,000.

Table 50. **Summary by Age and Principal Occupation of Operator: 1987**

[For meaning of abbreviations and symbols, see introductory text]

Item		Total farming and other occupations	Farming						
				Age of operator (years)					
			Total	Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
FARMS AND LAND IN FARMS									
Farms	number	51 172	26 112	486	2 963	4 208	4 679	6 548	7 228
	percent	100.0	51.0	.9	5.8	8.2	9.1	12.8	14.1
Land in farms	acres	10 316 861	7 810 930	92 689	854 747	1 621 077	1 832 337	2 085 691	1 324 389
Average size of farm	acres	202	299	191	288	385	392	319	183
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD									
Total sales (see text)	farms	51 172	26 112	486	2 963	4 208	4 679	6 548	7 228
	$1,000	2 545 078	2 248 524	21 422	264 700	521 740	591 865	599 450	249 348
Average per farm	dollars	49 736	86 111	44 079	89 335	123 968	126 494	91 547	34 498
Farms by value of sales:									
Less than $1,000 (see text)		6 578	1 433	13	101	158	164	323	674
$1,000 to $2,499		6 092	1 627	24	93	166	167	351	826
$2,500 to $4,999		6 774	2 205	42	144	162	234	541	1 082
$5,000 to $9,999		7 548	3 078	60	225	277	337	732	1 447
$10,000 to $19,999		6 617	3 367	88	322	349	424	870	1 314
$20,000 to $24,999		1 843	1 120	30	131	145	195	321	298
$25,000 to $39,999		3 525	2 403	58	331	369	452	693	500
$40,000 to $49,999		1 477	1 152	41	190	207	217	320	177
$50,000 to $99,999		4 322	3 666	80	629	761	896	891	409
$100,000 to $249,999		4 339	4 070	43	570	1 064	1 056	991	346
$250,000 to $499,999		1 469	1 430	6	174	425	384	343	98
$500,000 to $999,999		433	412	-	41	94	115	125	37
$1,000,000 or more		155	149	1	12	31	38	47	20
Grains	farms	25 844	15 263	329	1 710	2 343	2 769	4 033	4 079
	$1,000	578 016	477 739	7 025	59 878	110 974	114 760	125 817	59 285
Sales of $50,000 or more	farms	2 952	2 677	34	366	688	709	678	202
	$1,000	345 512	320 259	3 174	40 250	85 475	83 242	81 404	26 715
Corn for grain	farms	19 198	11 627	264	1 359	1 844	2 209	3 107	2 844
	$1,000	284 853	239 465	3 098	29 832	57 183	59 175	61 582	28 595
Wheat	farms	10 011	7 009	89	728	1 132	1 390	1 936	1 728
	$1,000	42 448	35 460	277	3 726	7 583	8 808	10 002	5 063
Soybeans	farms	12 670	7 542	169	877	1 159	1 422	2 015	1 900
	$1,000	172 993	134 416	2 619	17 685	30 205	30 826	35 225	17 855
Sorghum for grain	farms	16	9	-	1	1	4	1	2
	$1,000	40	31	-	(D)	(D)	13	(D)	(D)
Barley	farms	658	472	19	75	87	110	124	57
	$1,000	2 527	2 276	60	(D)	(D)	721	(D)	(D)
Oats	farms	6 373	4 221	73	431	609	687	1 145	1 276
	$1,000	12 767	10 112	137	1 153	1 873	1 988	2 914	2 048
Other grains	farms	4 687	3 520	116	501	629	720	947	607
	$1,000	62 389	55 979	833	7 239	13 625	13 229	15 485	5 567
Cotton and cottonseed	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Sales of $50,000 or more	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Tobacco	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Sales of $50,000 or more	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Hay, silage, and field seeds	farms	11 876	5 711	79	518	813	905	1 357	2 039
	$1,000	53 956	35 609	675	4 246	7 318	6 647	8 710	8 014
Sales of $50,000 or more	farms	83	73	1	14	22	14	17	5
	$1,000	7 516	6 874	(D)	(D)	1 874	1 106	2 086	464
Vegetables, sweet corn, and melons	farms	3 267	1 994	34	272	352	393	503	440
	$1,000	136 925	123 290	1 069	11 580	26 990	35 427	33 765	14 458
Sales of $50,000 or more	farms	540	506	6	65	109	145	132	49
	$1,000	109 985	105 134	707	8 606	23 836	31 848	28 931	11 206
Fruits, nuts, and berries	farms	3 926	2 345	18	237	369	388	619	714
	$1,000	163 847	146 475	715	17 519	31 034	34 075	40 551	22 582
Sales of $50,000 or more	farms	795	730	6	87	166	176	196	99
	$1,000	131 184	123 872	547	15 127	27 755	30 435	33 814	16 195
Nursery and greenhouse crops	farms	1 543	847	6	118	184	168	214	157
	$1,000	215 912	183 504	87	13 221	39 000	64 455	47 718	19 022
Sales of $50,000 or more	farms	507	409	-	54	116	95	99	45
	$1,000	203 169	177 065	-	12 185	37 611	63 190	46 146	17 933
Other crops	farms	2 007	1 652	67	268	323	360	444	190
	$1,000	124 146	118 135	1 559	13 063	27 948	33 459	29 775	12 312
Sales of $50,000 or more	farms	675	653	7	78	167	191	166	44
	$1,000	100 597	98 285	550	9 172	24 367	29 793	23 887	10 516
Poultry and poultry products	farms	2 063	954	14	135	171	161	227	2[illegible]
	$1,000	116 432	110 944	743	10 112	21 705	29 439	31 632	17 312
Sales of $50,000 or more	farms	182	159	4	26	31	30	52	16
	$1,000	114 271	109 496	741	9 936	21 354	29 188	31 277	16 999
Dairy products	farms	5 951	5 553	74	820	1 273	1 346	1 335	705
	$1,000	568 249	552 687	3 757	64 789	141 859	146 215	143 770	52 296
Sales of $50,000 or more	farms	3 618	3 517	23	483	886	951	841	333
	$1,000	512 675	502 099	2 462	55 927	131 752	135 952	131 401	44 605
Cattle and calves	farms	18 164	11 016	153	1 274	2 017	2 261	2 778	2 533
	$1,000	320 270	274 644	1 593	26 329	56 405	72 126	90 422	27 769
Sales of $50,000 or more	farms	840	761	5	83	184	190	231	68
	$1,000	191 890	178 314	456	15 739	36 881	49 767	64 772	10 698

See footnotes at end of table.

Table 50. **Summary by Age and Principal Occupation of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
		Age of operator (years)					
	Total	Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
FARMS AND LAND IN FARMS							
Farms number	25 060	343	3 243	6 890	7 255	5 045	2 284
percent	49.0	7	6.3	13.5	14.2	9.9	4.5
Land in farms acres	2 505 931	26 341	269 713	612 542	771 117	585 187	241 031
Average size of farm acres	100	77	83	89	106	116	106
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD							
Total sales (see text) farms	25 060	343	3 243	6 890	7 255	5 045	2 284
$1,000	296 554	6 221	52 116	75 618	83 525	58 789	20 284
Average per farm dollars	11 834	18 137	16 070	10 975	11 513	11 653	8 881
Farms by value of sales:							
Less than $1,000 (see text)	5 145	32	592	1 510	1 485	996	530
$1,000 to $2,499	4 465	57	538	1 305	1 250	848	467
$2,500 to $4,999	4 569	67	577	1 184	1 303	977	461
$5,000 to $9,999	4 470	67	510	1 163	1 325	976	429
$10,000 to $19,999	3 250	50	510	874	940	657	219
$20,000 to $24,999	723	17	117	197	215	131	46
$25,000 to $39,999	1 122	20	190	293	345	205	69
$40,000 to $49,999	325	9	57	93	89	64	13
$50,000 to $99,999	656	18	114	188	189	124	23
$100,000 to $249,999	269	2	27	72	100	52	16
$250,000 to $499,999	39	2	5	6	8	9	9
$500,000 to $999,999	21	2	5	2	5	5	2
$1,000,000 or more	6	-	1	3	1	1	-
Grains farms	10 581	208	1 510	2 732	2 988	2 233	910
$1,000	100 277	2 036	14 979	26 445	30 015	20 761	6 041
Sales of $50,000 or more farms	275	4	37	83	88	51	12
$1,000	25 252	538	3 441	6 635	8 323	5 088	1 228
Corn for grain farms	7 571	137	1 093	1 956	2 145	1 613	627
$1,000	45 387	807	6 872	11 510	13 602	9 566	3 029
Wheat farms	3 002	57	411	723	868	671	272
$1,000	6 989	144	909	1 665	2 181	1 605	485
Soybeans farms	5 128	96	798	1 374	1 449	1 032	379
$1,000	38 577	639	5 874	10 828	11 472	7 700	2 064
Sorghum for grain farms	7	-	-	2	4	1	-
$1,000	9	-	-	(D)	4	(D)	-
Barley farms	186	9	33	55	47	33	9
$1,000	251	8	27	(D)	51	(D)	6
Oats farms	2 152	37	335	545	618	451	166
$1,000	2 655	36	402	682	773	563	198
Other grains farms	1 167	32	201	314	337	210	73
$1,000	6 409	402	896	1 661	1 933	1 259	259
Cotton and cottonseed farms	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-
Sales of $50,000 or more farms	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-
Tobacco farms	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-
Sales of $50,000 or more farms	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-
Hay, silage, and field seeds farms	6 165	60	685	1 702	1 770	1 290	658
$1,000	18 346	266	2 074	4 542	5 577	3 911	1 976
Sales of $50,000 or more farms	10	-	1	3	3	3	-
$1,000	641	-	(D)	(D)	213	193	-
Vegetables, sweet corn, and melons farms	1 273	23	143	382	389	217	119
$1,000	13 635	210	2 119	3 711	4 113	1 925	1 557
Sales of $50,000 or more farms	34	1	1	11	15	4	2
$1,000	4 852	(D)	(D)	1 069	1 518	355	(D)
Fruits, nuts, and berries farms	1 581	14	161	369	489	382	166
$1,000	17 371	256	1 523	3 405	5 878	4 921	1 387
Sales of $50,000 or more farms	65	2	7	13	25	15	3
$1,000	7 312	(D)	(D)	1 159	2 741	2 342	268
Nursery and greenhouse crops farms	698	6	108	184	177	145	76
$1,000	32 409	161	13 826	5 186	6 039	5 027	2 171
Sales of $50,000 or more farms	98	2	17	19	26	23	11
$1,000	26 104	(D)	(D)	3 358	4 423	3 730	1 564
Other crops farms	355	16	72	89	89	61	28
$1,000	6 010	417	961	1 451	1 703	1 316	162
Sales of $50,000 or more farms	22	1	1	6	9	5	-
$1,000	2 312	(D)	(D)	(D)	943	668	-
Poultry and poultry products farms	1 109	15	165	419	290	156	64
$1,000	5 487	100	645	3 098	562	810	272
Sales of $50,000 or more farms	23	1	3	6	4	6	3
$1,000	4 775	(D)	(D)	2 866	416	682	210
Dairy products farms	398	9	72	99	124	70	24
$1,000	15 562	427	2 459	2 995	5 028	3 271	1 382
Sales of $50,000 or more farms	101	2	19	23	29	21	7
$1,000	10 575	(D)	(D)	1 856	3 198	2 465	1 123
Cattle and calves farms	7 148	80	949	2 059	2 145	1 407	508
$1,000	45 626	1 037	5 473	11 602	12 900	11 184	3 430
Sales of $50,000 or more farms	79	2	6	20	27	14	10
$1,000	13 575	(D)	(D)	3 229	2 889	4 368	1 297

See footnotes at end of table.

Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
			Age of operator (years)					
		Total	Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.								
Total sales (see text)—Con.								
Hogs and pigs farms	5 603	3 073	96	502	649	707	626	493
$1,000	226 148	196 285	4 036	41 783	52 026	51 017	33 795	13 629
Sales of $50,000 or more farms	994	866	16	157	232	248	158	55
$1,000	184 015	171 011	2 758	37 165	46 966	45 426	28 343	10 355
Sheep, lambs, and wool farms	2 072	901	13	98	138	185	206	261
$1,000	5 632	3 503	75	346	630	846	817	789
Sales of $50,000 or more farms	8	6	-	-	2	2	2	-
$1,000	786	(D)	-	-	(D)	(D)	(D)	-
Other livestock and livestock products (see text) farms	3 945	1 405	11	175	344	284	287	304
$1,000	35 546	25 708	88	1 812	5 851	3 399	12 677	1 881
Sales of $50,000 or more farms	91	65	-	10	20	15	15	5
$1,000	22 590	19 846	-	1 218	4 121	2 025	11 567	916
FARM PRODUCTION EXPENSES[1]								
Total farm production expenses farms	51 175	25 873	532	2 843	4 087	4 596	6 360	7 455
$1,000	2 211 823	1 886 068	15 751	214 603	435 316	501 089	499 014	220 294
Average per farm dollars	43 221	72 897	29 608	75 485	106 512	109 027	78 461	29 550
Livestock and poultry purchased farms	15 088	7 899	211	1 043	1 535	1 633	1 830	1 647
$1,000	190 386	164 253	1 539	17 467	36 140	43 662	50 660	14 785
Farms with expenses of—								
$1 to $4,999	10 826	4 654	122	564	809	883	1 070	1 206
$5,000 to $24,999	3 103	2 235	71	331	452	511	507	363
$25,000 to $99,999	873	742	18	113	209	166	176	60
$100,000 or more	286	268	-	35	65	73	77	18
Feed for livestock and poultry farms	23 220	12 321	220	1 468	2 449	2 582	3 039	2 563
$1,000	273 192	248 084	2 623	33 335	62 445	64 963	60 526	24 193
Farms with expenses of—								
$1 to $4,999	16 437	6 327	99	599	984	1 048	1 629	1 968
$5,000 to $24,999	4 529	3 850	93	576	853	970	920	438
$25,000 to $99,999	1 905	1 811	25	238	529	479	407	133
$100,000 or more	349	333	3	55	83	85	83	24
Commercially mixed formula feeds farms	11 999	7 583	119	1 005	1 782	1 771	1 767	1 139
$1,000	153 493	144 403	1 095	17 288	37 030	39 545	35 746	13 699
Farms with expenses of—								
$1 to $4,999	7 909	3 746	75	497	766	793	802	813
$5,000 to $24,999	3 065	2 856	28	383	712	726	742	265
$25,000 to $79,999	826	791	15	95	251	202	179	49
$80,000 or more	199	190	1	30	53	50	44	12
Seeds, bulbs, plants, and trees farms	35 507	20 945	475	2 410	3 510	3 892	5 307	5 351
$1,000	111 895	96 172	812	10 947	21 005	28 832	23 611	10 964
Farms with expenses of—								
$1 to $999	18 698	8 132	226	623	904	998	1 932	3 449
$1,000 to $4,999	11 636	8 092	213	1 177	1 371	1 658	2 168	1 505
$5,000 to $24,999	4 689	4 262	36	563	1 117	1 114	1 086	346
$25,000 or more	484	459	-	47	118	122	121	51
Commercial fertilizer farms	37 298	21 574	451	2 439	3 572	3 962	5 450	5 700
$1,000	194 526	166 905	1 566	20 644	38 283	42 225	44 979	19 208
Farms with expenses of—								
$1 to $4,999	27 886	13 253	351	1 279	1 619	1 920	3 205	4 879
$5,000 to $24,999	7 757	6 719	95	984	1 529	1 586	1 825	700
$25,000 to $49,999	1 265	1 223	4	143	325	356	307	88
$50,000 or more	390	379	1	33	99	100	113	33
Agricultural chemicals farms	35 505	20 728	426	2 387	3 517	3 920	5 211	5 267
$1,000	119 993	102 620	796	12 712	23 396	25 329	26 331	14 057
Farms with expenses of—								
$1 to $4,999	29 675	15 497	390	1 673	2 203	2 618	3 879	4 734
$5,000 to $24,999	5 100	4 527	35	639	1 143	1 121	1 154	435
$25,000 to $49,999	513	493	1	56	118	128	119	71
$50,000 or more	217	211	-	19	53	53	59	27
Petroleum products farms	48 558	25 313	512	2 761	4 033	4 530	6 273	7 204
$1,000	120 621	100 016	795	11 052	22 756	24 835	26 954	13 624
Farms with expenses of—								
$1 to $4,999	42 313	19 502	474	2 085	2 500	3 042	4 712	6 689
$5,000 to $24,999	5 863	5 445	38	656	1 440	1 396	1 443	472
$25,000 to $49,999	285	273	-	16	73	62	90	32
$50,000 or more	97	93	-	4	20	30	28	11
Gasoline and gasohol farms	41 658	22 122	366	2 371	3 533	3 906	5 566	6 380
$1,000	42 655	33 544	357	3 660	6 988	7 828	9 064	5 646
Diesel fuel farms	29 904	18 054	370	2 198	3 209	3 742	4 684	3 851
$1,000	50 970	43 705	322	4 887	10 234	11 263	12 049	4 950
Natural gas farms	1 941	1 373	19	169	318	278	333	256
$1,000	9 571	8 033	16	647	2 080	2 126	2 114	1 050
LP gas, fuel oil, kerosene, motor oil, grease, etc. farms	35 310	21 356	390	2 492	3 605	4 168	5 480	5 221
$1,000	17 425	14 734	100	1 858	3 453	3 617	3 728	1 978

See footnotes at end of table.

Table 50. **Summary by Age and Principal Occupation of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
		Age of operator (years)					
	Total	Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.							
Total sales (see text)—Con.							
Hogs and pigs .... farms..	2 530	55	519	886	640	339	91
$1,000..	29 862	1 251	6 592	10 077	7 536	3 688	718
Sales of $50,000 or more .... farms..	128	7	26	43	32	17	3
$1,000..	13 004	847	2 439	4 974	3 313	1 205	225
Sheep, lambs, and wool .... farms..	1 171	15	138	417	355	162	84
$1,000..	2 129	34	322	663	606	305	180
Sales of $50,000 or more .... farms..	2	-	1	-	-	-	1
$1,000..	(D)	-	(D)	-	-	-	(D)
Other livestock and livestock products (see text) .... farms..	2 540	16	313	903	751	398	154
$1,000..	9 838	25	1 142	2 424	3 568	1 669	1 009
Sales of $50,000 or more .... farms..	26	-	3	6	10	4	3
$1,000..	2 744	-	429	467	1 054	280	514
FARM PRODUCTION EXPENSES[1]							
Total farm production expenses .... farms..	25 302	422	3 196	6 817	7 490	4 967	2 410
$1,000..	325 755	5 461	53 566	88 939	93 996	60 569	23 224
Average per farm .... dollars..	12 875	12 941	16 760	13 047	12 550	12 194	9 637
Livestock and poultry purchased .... farms..	7 189	172	1 054	2 449	2 100	1 108	306
$1,000..	26 133	687	3 822	7 461	6 957	5 727	1 479
Farms with expenses of—							
$1 to $4,999	6 172	146	896	2 173	1 765	939	253
$5,000 to $24,999	868	23	135	226	301	143	40
$25,000 to $99,999	131	2	21	44	30	24	10
$100,000 or more	18	1	2	6	4	2	3
Feed for livestock and poultry .... farms..	10 899	179	1 544	3 361	3 508	1 777	530
$1,000..	25 108	749	4 464	8 737	6 281	3 798	1 079
Farms with expenses of—							
$1 to $4,999	10 110	160	1 384	3 144	3 285	1 629	508
$5,000 to $24,999	679	15	136	170	205	138	15
$25,000 to $99,999	94	2	21	42	15	8	6
$100,000 or more	16	2	3	5	3	2	1
Commercially mixed formula feeds .... farms..	4 416	85	595	1 551	1 318	722	145
$1,000..	9 090	208	1 295	3 652	2 192	1 437	304
Farms with expenses of—							
$1 to $4,999	4 163	77	550	1 482	1 247	669	138
$5,000 to $24,999	209	7	41	47	62	47	5
$25,000 to $79,999	35	1	2	19	7	4	2
$80,000 or more	9	-	2	3	2	2	-
Seeds, bulbs, plants, and trees .... farms..	14 562	265	1 939	3 972	4 273	2 845	1 268
$1,000..	15 723	265	2 772	3 907	4 499	3 080	1 200
Farms with expenses of—							
$1 to $999	10 566	200	1 303	2 823	3 148	2 074	1 018
$1,000 to $4,999	3 544	59	552	1 057	985	668	223
$5,000 to $24,999	427	6	77	87	138	98	23
$25,000 or more	25	-	7	5	4	5	4
Commercial fertilizer .... farms..	15 724	263	2 031	4 212	4 698	3 153	1 367
$1,000..	27 621	501	3 684	7 770	8 023	5 706	1 925
Farms with expenses of—							
$1 to $4,999	14 633	249	1 901	3 867	4 368	2 956	1 292
$5,000 to $24,999	1 038	13	125	336	319	176	69
$25,000 to $49,999	42	-	3	8	8	19	4
$50,000 or more	11	1	2	1	3	2	2
Agricultural chemicals .... farms..	14 777	250	2 022	3 818	4 449	2 938	1 300
$1,000..	17 373	263	2 579	4 897	4 803	3 302	1 529
Farms with expenses of—							
$1 to $4,999	14 178	241	1 944	3 580	4 337	2 828	1 248
$5,000 to $24,999	573	9	76	234	102	104	48
$25,000 to $49,999	20	-	1	3	8	4	4
$50,000 or more	6	-	1	1	2	2	-
Petroleum products .... farms..	23 245	374	2 898	6 318	6 958	4 576	2 121
$1,000..	20 605	354	3 247	5 458	5 923	3 979	1 644
Farms with expenses of—							
$1 to $4,999	22 811	355	2 840	6 182	6 873	4 483	2 078
$5,000 to $24,999	418	19	55	132	80	92	40
$25,000 to $49,999	12	-	2	4	3	-	3
$50,000 or more	4	-	1	-	2	1	-
Gasoline and gasohol .... farms..	19 536	286	2 417	5 362	5 847	3 889	1 735
$1,000..	9 112	129	1 165	2 532	2 656	1 861	768
Diesel fuel .... farms..	11 850	217	1 680	3 323	3 396	2 293	941
$1,000..	7 266	132	1 033	2 069	2 097	1 461	455
Natural gas .... farms..	568	11	85	123	217	70	62
$1,000..	1 537	57	607	130	372	160	211
LP gas, fuel oil, kerosene, motor oil, grease, etc. .... farms..	13 954	233	1 736	3 943	4 149	2 763	1 130
$1,000..	2 691	36	442	707	797	498	210

See footnotes at end of table.

Table 50. **Summary by Age and Principal Occupation of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
FARM PRODUCTION EXPENSES[1]—Con.								
Total farm production expenses—Con.								
Electricity farms	38 590	21 800	332	2 412	3 672	4 071	5 517	5 796
$1,000	47 789	40 422	312	4 549	9 401	10 278	10 763	5 120
Farms with expenses of—								
$1 to $999	28 298	12 898	233	1 217	1 538	1 795	3 256	4 859
$1,000 to $4,999	8 382	7 047	94	997	1 630	1 767	1 808	751
$5,000 to $24,999	1 817	1 766	5	187	486	486	427	175
$25,000 or more	93	89	-	11	18	23	26	11
Hired farm labor farms	18 134	11 872	183	1 457	2 401	2 584	2 904	2 343
$1,000	242 445	219 698	737	19 390	47 098	62 744	63 078	26 650
Farms with expenses of—								
$1 to $4,999	12 177	6 533	148	807	1 144	1 211	1 500	1 723
$5,000 to $24,999	3 744	3 268	29	429	747	809	864	390
$25,000 to $99,999	1 856	1 727	6	198	433	471	431	188
$100,000 or more	357	344	-	23	77	93	109	42
Contract labor farms	4 652	2 820	49	388	593	641	593	556
$1,000	27 733	24 192	216	2 695	4 773	7 977	5 392	3 140
Farms with expenses of—								
$1 to $999	2 093	958	18	116	159	205	209	251
$1,000 to $4,999	1 582	971	22	165	204	194	189	197
$5,000 to $24,999	806	739	9	91	199	190	159	91
$25,000 or more	171	152	-	16	31	52	36	17
Repair and maintenance farms	43 440	23 129	453	2 514	3 762	4 309	5 813	6 278
$1,000	152 652	125 860	955	13 434	27 578	32 926	33 542	17 425
Farms with expenses of—								
$1 to $4,999	35 400	15 919	386	1 598	2 058	2 402	4 003	5 472
$5,000 to $24,999	7 271	6 461	66	861	1 508	1 691	1 609	726
$25,000 to $49,999	599	583	1	48	162	167	143	62
$50,000 or more	170	166	-	7	34	49	58	18
Customwork, machine hire, and rental of machinery and equipment farms	17 732	10 408	247	1 154	1 773	1 976	2 640	2 618
$1,000	34 043	27 531	469	3 309	6 220	7 315	6 464	3 754
Farms with expenses of—								
$1 to $999	10 922	5 274	140	527	732	829	1 424	1 622
$1,000 to $4,999	5 482	3 935	93	484	724	813	962	859
$5,000 to $24,999	1 208	1 086	12	130	279	303	231	131
$25,000 or more	120	113	2	13	38	31	23	6
Interest expense farms	25 197	14 128	294	2 056	3 114	3 374	3 298	1 994
$1,000	197 966	161 131	1 277	19 969	43 227	45 996	38 125	12 536
Farms with expenses of—								
$1 to $4,999	16 167	7 324	209	990	1 194	1 563	1 823	1 545
$5,000 to $24,999	7 257	5 104	79	892	1 435	1 314	1 048	336
$25,000 to $99,999	1 658	1 589	6	166	458	462	396	101
$100,000 or more	115	111	-	8	27	35	29	12
Secured by real estate farms	19 208	10 728	171	1 452	2 522	2 668	2 531	1 384
$1,000	143 627	115 039	934	13 566	30 494	33 291	27 769	8 986
Farms with expenses of—								
$1 to $999	3 710	1 648	24	150	249	287	492	446
$1,000 to $4,999	8 262	3 662	84	503	776	900	836	563
$5,000 to $24,999	6 052	4 275	58	690	1 169	1 147	913	298
$25,000 or more	1 184	1 143	5	109	328	334	290	77
Not secured by real estate farms	13 182	7 835	180	1 253	1 815	1 901	1 664	1 022
$1,000	54 339	46 092	343	6 403	12 734	12 705	10 356	3 550
Farms with expenses of—								
$1 to $999	5 228	2 300	96	324	312	478	489	601
$1,000 to $4,999	5 274	3 144	61	559	779	783	661	301
$5,000 to $24,999	2 336	2 060	23	333	639	549	429	87
$25,000 or more	344	331	-	37	85	91	85	33
Cash rent farms	15 070	10 221	285	1 549	2 434	2 309	2 545	1 119
$1,000	101 910	89 630	1 209	14 276	26 324	21 472	19 972	6 377
Farms with expenses of—								
$1 to $4,999	10 324	6 137	191	874	1 186	1 342	1 664	880
$5,000 to $9,999	2 078	1 657	53	273	498	370	358	105
$10,000 to $24,999	1 738	1 539	16	234	479	393	334	83
$25,000 or more	930	888	5	168	271	204	189	51
Property taxes farms	48 191	24 558	371	2 359	3 820	4 469	6 235	7 304
$1,000	157 280	111 203	904	9 196	19 555	25 705	32 167	23 674
Farms with expenses of—								
$1 to $4,999	40 046	17 677	343	1 783	2 476	2 732	4 155	6 188
$5,000 to $9,999	5 386	4 420	20	398	850	1 045	1 268	839
$10,000 to $24,999	2 444	2 165	8	161	436	608	708	244
$25,000 or more	315	296	-	17	58	84	104	33
All other farm production expenses farms	46 587	24 728	443	2 759	4 022	4 451	6 182	6 871
$1,000	239 391	208 352	1 543	21 627	47 115	56 830	56 450	24 787
Farms with expenses of—								
$1 to $4,999	38 311	17 330	358	1 797	2 177	2 502	4 294	6 202
$5,000 to $24,999	6 496	5 680	79	745	1 386	1 507	1 435	528
$25,000 to $49,999	1 117	1 073	2	153	286	277	281	74
$50,000 or more	663	645	4	64	173	165	172	67

See footnotes at end of table.

Table 50. **Summary by Age and Principal Occupation of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
		Age of operator (years)					
	Total	Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
FARM PRODUCTION EXPENSES[1] —Con.							
Total farm production expenses—Con.							
Electricity ... farms..	16 790	246	1 883	4 582	5 194	3 467	1 418
$1,000..	7 367	91	1 354	1 871	2 065	1 380	607
Farms with expenses of—							
$1 to $999	15 400	233	1 661	4 207	4 824	3 182	1 293
$1,000 to $4,999	1 335	13	215	356	356	275	118
$5,000 to $24,999	51	-	5	18	11	10	7
$25,000 or more	4	-	2	1	1	-	-
Hired farm labor ... farms..	6 262	92	726	1 842	2 077	1 078	447
$1,000..	22 747	84	7 833	3 786	5 953	3 079	2 212
Farms with expenses of—							
$1 to $4,999	5 644	88	661	1 695	1 863	962	375
$5,000 to $24,999	476	4	56	110	178	89	39
$25,000 to $99,999	129	-	6	35	31	25	32
$100,000 or more	13	-	3	2	5	2	1
Contract labor ... farms..	1 832	36	237	519	468	422	150
$1,000..	3 541	62	367	558	1 041	1 021	492
Farms with expenses of—							
$1 to $999	1 135	24	159	375	273	224	80
$1,000 to $4,999	611	9	76	136	147	176	67
$5,000 to $24,999	67	3	1	5	44	14	-
$25,000 or more	19	-	1	3	4	8	3
Repair and maintenance ... farms..	20 311	295	2 520	5 702	6 168	3 940	1 686
$1,000..	26 792	308	3 868	7 181	8 149	5 170	2 116
Farms with expenses of—							
$1 to $4,999	19 481	282	2 411	5 484	5 895	3 790	1 619
$5,000 to $24,999	810	13	106	212	269	147	63
$25,000 to $49,999	16	-	2	6	2	2	4
$50,000 or more	4	-	1	-	2	1	-
Customwork, machine hire, and rental of machinery and equipment ... farms..	7 324	139	821	2 089	2 218	1 485	572
$1,000..	6 512	221	651	1 978	1 759	1 453	449
Farms with expenses of—							
$1 to $999	5 648	91	643	1 562	1 780	1 112	460
$1,000 to $4,999	1 547	43	171	479	394	352	108
$5,000 to $24,999	122	5	6	48	43	17	3
$25,000 or more	7	-	1	-	1	4	1
Interest expense ... farms..	11 069	140	1 681	3 596	3 467	1 715	470
$1,000..	36 835	439	5 433	12 242	12 311	5 212	1 197
Farms with expenses of—							
$1 to $4,999	8 843	115	1 417	2 784	2 716	1 389	422
$5,000 to $24,999	2 153	24	257	795	717	315	45
$25,000 to $99,999	69	1	6	15	33	11	3
$100,000 or more	4	-	1	2	1	-	-
Secured by real estate ... farms..	8 480	68	1 227	2 860	2 704	1 305	316
$1,000..	28 588	201	4 099	9 660	9 658	4 082	887
Farms with expenses of—							
$1 to $999	2 062	20	225	696	653	376	92
$1,000 to $4,999	4 600	33	786	1 524	1 391	676	190
$5,000 to $24,999	1 777	15	212	629	645	244	32
$25,000 or more	41	-	4	11	15	9	2
Not secured by real estate ... farms..	5 347	77	902	1 612	1 688	834	234
$1,000..	8 248	238	1 334	2 582	2 653	1 130	310
Farms with expenses of—							
$1 to $999	2 928	15	519	821	891	527	155
$1,000 to $4,999	2 130	52	348	678	705	277	70
$5,000 to $24,999	276	9	33	110	88	28	8
$25,000 or more	13	1	2	3	4	2	1
Cash rent ... farms..	4 849	198	999	1 506	1 331	632	183
$1,000..	12 280	757	2 569	3 736	2 932	1 924	383
Farms with expenses of—							
$1 to $4,999	4 187	166	825	1 287	1 199	546	162
$5,000 to $9,999	421	9	114	149	90	40	19
$10,000 to $24,999	199	19	58	51	34	36	1
$25,000 or more	42	2	2	19	8	10	1
Property taxes ... farms..	23 633	219	2 616	6 403	7 247	4 870	2 278
$1,000..	46 078	261	4 016	11 637	14 780	10 700	4 705
Farms with expenses of—							
$1 to $4,999	22 369	210	2 516	6 102	6 854	4 562	2 125
$5,000 to $9,999	966	9	76	228	318	242	93
$10,000 to $24,999	279	-	20	66	72	63	58
$25,000 or more	19	-	4	7	3	3	2
All other farm production expenses ... farms..	21 859	341	2 696	5 999	6 501	4 276	2 046
$1,000..	31 039	419	7 097	7 720	8 540	5 037	2 226
Farms with expenses of—							
$1 to $4,999	20 981	331	2 563	5 763	6 207	4 103	2 009
$5,000 to $24,999	816	9	109	223	283	159	33
$25,000 to $49,999	44	1	19	10	7	5	2
$50,000 or more	18	-	5	3	4	4	2

See footnotes at end of table.

Table 50. **Summary by Age and Principal Occupation of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT[1]								
All farms number	51 175	25 873	532	2 843	4 087	4 596	6 360	7 455
$1,000	319 953	352 914	4 239	43 908	90 008	88 083	98 999	27 677
Average per farm dollars	6 252	13 640	7 969	15 444	22 023	19 165	15 566	3 713
Farms with net gains[2] number	21 623	14 394	357	1 699	2 713	2 856	3 698	3 071
Average net gain dollars	23 491	31 593	15 278	33 750	40 131	38 364	33 560	16 089
Gain of—								
Less than $1,000	3 082	1 119	32	51	128	109	301	498
$1,000 to $9,999	9 235	5 137	169	518	668	823	1 298	1 661
$10,000 to $49,999	6 613	5 629	132	795	1 248	1 317	1 455	682
$50,000 or more	2 693	2 509	24	335	669	607	644	230
Farms with net losses number	29 552	11 479	175	1 144	1 374	1 740	2 662	4 384
Average net loss dollars	6 362	8 872	6 942	11 742	13 731	12 347	9 432	4 057
Loss of—								
Less than $1,000	4 347	1 437	30	74	95	143	305	790
$1,000 to $9,999	20 539	7 279	108	647	756	974	1 720	3 074
$10,000 to $49,999	4 375	2 505	34	389	459	545	579	499
$50,000 or more	291	258	3	34	64	78	58	21
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME								
Government payments farms	19 666	13 017	232	1 503	2 300	2 597	3 509	2 876
$1,000	223 470	190 344	2 022	21 376	44 903	48 393	52 038	21 611
Other farm-related income[1] farms	11 845	6 747	87	830	1 160	1 315	1 693	1 662
$1,000	37 093	26 317	296	3 099	6 102	5 985	6 483	4 353
Customwork and other agricultural services farms	4 489	2 884	33	450	640	658	673	430
$1,000	14 787	11 393	122	1 947	3 002	2 863	2 505	954
Gross cash rent or share payments farms	3 973	1 698	22	131	152	248	363	782
$1,000	10 076	5 692	144	357	830	837	1 471	2 054
Forest products and Christmas trees farms	1 731	1 030	-	107	164	195	322	242
$1,000	5 537	4 226	-	424	1 179	762	1 256	605
Other farm-related income sources farms	3 533	2 519	32	238	543	545	662	499
$1,000	6 693	5 007	29	371	1 091	1 524	1 252	740
COMMODITY CREDIT CORPORATION LOANS								
Total farms	7 081	5 276	126	741	1 131	1 175	1 391	712
$1,000	151 146	133 722	1 905	16 923	33 839	35 439	32 785	12 831
Corn farms	6 720	5 072	123	717	1 086	1 142	1 352	652
$1,000	135 370	120 135	1 699	15 245	29 363	31 752	30 643	11 432
Wheat farms	522	401	6	53	75	80	96	91
$1,000	2 150	1 948	9	209	389	660	405	277
Soybeans farms	542	401	11	61	105	102	76	46
$1,000	11 105	9 583	189	1 256	3 170	2 613	1 374	981
Sorghum, barley, and oats farms	177	136	7	22	24	14	38	31
$1,000	351	317	9	58	67	89	64	30
Cotton farms	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey farms	169	77	-	12	26	9	12	18
$1,000	2 170	1 739	-	154	851	324	299	111
LAND IN FARMS ACCORDING TO USE								
Total cropland farms	48 653	25 258	444	2 795	4 048	4 524	6 393	7 054
acres	8 181 320	6 424 186	78 355	740 666	1 387 846	1 529 282	1 706 206	981 831
Harvested cropland farms	46 017	24 521	434	2 710	3 897	4 408	6 252	6 820
acres	6 172 468	5 011 056	63 234	592 158	1 108 354	1 222 518	1 326 480	698 312
Farms by acres harvested:								
1 to 49 acres	21 716	7 196	129	622	800	863	1 668	3 114
50 to 99 acres	8 682	4 755	103	476	510	628	1 208	1 830
100 to 199 acres	6 866	4 758	101	634	737	867	1 324	1 095
200 to 499 acres	6 088	5 274	82	701	1 178	1 336	1 385	592
500 to 999 acres	2 075	1 966	17	222	513	565	508	141
1,000 to 1,999 acres	518	503	2	47	144	135	136	39
2,000 acres or more	72	69	-	8	15	14	23	9
Cropland:								
Pasture or grazing only farms	16 096	8 118	77	820	1 399	1 561	2 014	2 247
acres	518 589	332 006	3 147	31 276	57 305	64 591	90 511	85 176
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured farms	10 093	6 116	95	621	992	1 141	1 636	1 631
acres	440 552	328 843	4 428	35 038	64 816	73 415	89 901	61 245
On which all crops failed farms	3 746	2 060	37	250	334	380	534	525
acres	90 181	61 230	1 084	7 867	10 808	13 080	16 002	12 389
In cultivated summer fallow farms	5 130	3 135	30	232	480	519	858	1 016
acres	139 260	99 948	639	8 283	19 188	17 602	29 669	24 567
Idle farms	17 994	10 360	147	1 157	1 710	2 027	2 611	2 708
acres	820 270	591 103	5 823	66 044	127 375	138 076	153 643	100 142
Total woodland farms	27 107	14 939	127	1 344	2 344	2 801	4 000	4 323
acres	1 253 543	831 446	8 829	65 515	141 113	177 711	228 776	209 502
Woodland pastured farms	6 101	3 389	35	282	506	654	916	996
acres	229 240	156 588	1 232	10 111	25 413	36 888	41 918	41 026
Woodland not pastured farms	23 871	13 278	106	1 213	2 097	2 494	3 553	3 815
acres	1 024 303	674 858	7 597	55 404	115 700	140 823	186 858	168 476

See footnotes at end of table.

Table 50. **Summary by Age and Principal Occupation of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Other occupations						
			Age of operator (years)					
		Total	Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT[1]								
All farms	number	25 302	422	3 196	6 817	7 490	4 967	2 410
	$1,000	-32 961	807	-944	-12 363	-14 490	-4 912	-1 059
Average per farm	dollars	-1 303	1 912	-295	-1 814	-1 935	-989	-439
Farms with net gains[2]	number	7 229	196	1 078	1 849	1 854	1 480	772
Average net gain	dollars	7 360	8 [illegible]	7 820	7 507	7 165	7 429	6 525
Gain of—								
Less than $1,000		1 963	76	295	544	489	354	205
$1,000 to $9,999		4 098	82	568	1 027	1 063	919	439
$10,000 to $49,999		984	34	184	234	254	172	106
$50,000 or more		184	4	31	44	48	35	22
Farms with net losses	number	18 073	226	2 118	4 968	5 636	3 487	1 638
Average net loss	dollars	4 768	3 395	4 426	5 283	4 928	4 562	3 722
Loss of—								
Less than $1,000		2 910	70	364	732	849	551	344
$1,000 to $9,999		13 260	136	1 623	3 557	4 097	2 630	1 217
$10,000 to $49,999		1 870	20	129	665	678	303	75
$50,000 or more		33	-	2	14	12	3	2
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME								
Government payments	farms	6 649	101	903	1 748	1 963	1 431	503
	$1,000	33 126	440	4 145	8 846	10 781	7 053	1 861
Other farm-related income[1]	farms	5 098	121	638	1 299	1 471	982	587
	$1,000	10 775	499	1 172	2 314	3 338	2 486	965
Customwork and other agricultural services	farms	1 605	80	310	401	508	182	124
	$1,000	3 394	269	682	774	1 051	463	154
Gross cash rent or share payments	farms	2 275	13	195	573	602	545	347
	$1,000	4 384	12	260	888	1 294	1 274	656
Forest products and Christmas trees	farms	701	7	72	169	247	136	70
	$1,000	1 311	(Z)	118	303	550	231	109
Other farm-related income sources	farms	1 014	35	109	303	251	232	84
	$1,000	1 687	218	113	349	443	518	46
COMMODITY CREDIT CORPORATION LOANS								
Total	farms	1 805	32	303	526	502	338	104
	$1,000	17 424	381	2 349	5 258	5 195	3 163	1 076
Corn	farms	1 648	29	284	478	461	311	85
	$1,000	15 236	360	2 048	4 442	4 511	2 846	1 029
Wheat	farms	121	4	17	25	32	31	12
	$1,000	203	15	24	44	75	36	7
Soybeans	farms	141	2	26	49	39	19	6
	$1,000	1 522	(D)	(D)	649	414	227	(D)
Sorghum, barley, and oats	farms	41	-	11	14	9	5	2
	$1,000	33	-	10	11	7	(D)	(D)
Cotton	farms	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey	farms	92	1	6	31	28	13	13
	$1,000	431	(D)	(D)	112	187	(D)	26
LAND IN FARMS ACCORDING TO USE								
Total cropland	farms	23 395	294	2 933	6 387	6 795	4 827	2 159
	acres	1 757 134	22 966	212 307	444 831	538 631	392 283	146 116
Harvested cropland	farms	21 498	278	2 713	5 777	6 241	4 494	1 993
	acres	1 161 412	18 369	156 564	302 293	354 083	247 412	82 691
Farms by acres harvested:								
1 to 49 acres		14 520	168	1 735	3 946	4 152	3 028	1 491
50 to 99 acres		3 927	52	537	1 003	1 153	860	322
100 to 199 acres		2 108	43	311	566	644	403	141
200 to 499 acres		814	13	116	231	249	173	32
500 to 999 acres		109	1	13	29	34	26	6
1,000 to 1,999 acres		15	1	-	2	7	4	1
2,000 acres or more		3	-	1	-	2	-	-
Cropland:								
Pasture or grazing only	farms	7 978	47	816	2 380	2 522	1 595	618
	acres	186 583	824	14 849	45 042	60 587	43 894	21 387
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured	farms	3 977	54	445	1 022	1 178	906	372
	acres	111 709	1 237	10 436	25 917	36 286	26 768	11 065
On which all crops failed	farms	1 686	18	220	476	496	357	119
	acres	28 951	220	3 398	7 936	8 493	6 859	2 045
In cultivated summer fallow	farms	1 995	25	198	526	587	475	184
	acres	39 312	517	3 746	8 780	11 783	9 961	4 525
Idle	farms	7 634	84	892	1 952	2 299	1 715	692
	acres	229 167	1 799	23 314	54 863	67 399	57 389	24 403
Total woodland	farms	12 168	71	1 229	3 180	3 811	2 736	1 111
	acres	422 097	1 315	30 525	98 687	130 517	109 438	51 615
Woodland pastured	farms	2 712	9	272	746	865	602	218
	acres	72 652	103	4 868	17 182	22 753	18 859	8 887
Woodland not pastured	farms	10 593	67	1 064	2 738	3 343	2 397	984
	acres	349 445	1 212	25 657	81 505	107 764	90 579	42 728

See footnotes at end of table.

Table 50. **Summary by Age and Principal Occupation of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
LAND IN FARMS ACCORDING TO USE—Con.								
Pastureland and rangeland other than cropland and woodland pastured ………. farms..	6 852	3 287	29	317	535	627	834	945
acres..	230 074	142 107	1 392	13 563	26 172	30 154	35 553	35 273
Land in house lots, ponds, roads, wasteland etc. ………. farms..	37 216	19 061	240	1 877	2 961	3 513	4 970	5 500
acres..	651 924	413 191	4 113	35 003	65 946	95 190	115 156	97 783
Cropland under federal acreage reduction programs:								
Annual commodity acreage adjustment programs ………. farms..	16 012	10 969	195	1 278	2 007	2 260	3 001	2 228
acres..	751 325	625 180	7 274	74 866	144 461	153 782	168 912	75 885
Conservation reserve program ………. farms..	851	486	5	48	77	108	136	112
acres..	38 874	25 245	157	2 527	4 261	7 152	6 822	4 326
Value of land and buildings[1] ………. farms..	51 175	25 873	532	2 843	4 087	4 596	6 360	7 455
$1,000..	10 033 617	7 225 671	94 229	790 281	1 540 894	1 705 673	1 879 505	1 215 089
Average per farm ………. dollars..	196 065	279 275	177 122	277 974	377 023	371 121	295 520	162 990
Average per acre ………. dollars..	971	925	1 127	926	947	934	906	902
Farms by value group:								
$1 to $39,999 ……….	6 878	2 182	95	292	265	261	345	924
$40,000 to $69,999 ……….	9 417	3 339	102	258	324	423	717	1 515
$70,000 to $99,999 ……….	8 565	3 172	82	316	354	365	756	1 209
$100,000 to $149,999 ……….	7 959	3 772	74	386	477	519	964	1 352
$150,000 to $199,999 ……….	4 711	2 847	43	392	375	504	748	785
$200,000 to $499,999 ……….	9 376	6 789	89	763	1 342	1 533	1 862	1 200
$500,000 to $999,999 ……….	3 044	2 622	30	320	655	867	666	284
$1,000,000 to $1,999,999 ……….	975	904	17	92	229	265	229	72
$2,000,000 to $4,999,999 ……….	237	227	-	24	62	50	69	22
$5,000,000 or more ……….	23	19	-	-	4	9	4	2
VALUE OF MACHINERY AND EQUIPMENT[1]								
Estimated market value of all machinery and equipment ………. farms..	51 085	25 824	532	2 835	4 079	4 590	6 353	7 435
$1,000..	2 347 585	1 781 507	20 414	195 618	375 108	438 390	472 543	279 434
Farms by value group:								
$1 to $4,999 ……….	4 330	1 142	48	138	97	103	187	573
$5,000 to $9,999 ……….	10 003	2 918	90	157	299	255	672	1 445
$10,000 to $19,999 ……….	9 792	3 801	77	366	427	501	820	1 610
$20,000 to $49,999 ……….	12 783	6 651	220	806	799	952	1 718	2 158
$50,000 to $99,999 ……….	7 353	5 264	39	714	1 072	1 111	1 354	974
$100,000 to $199,999 ……….	4 561	3 925	46	451	858	1 084	1 012	474
$200,000 to $499,999 ……….	2 063	1 919	13	188	493	512	533	180
$500,000 or more ……….	210	204	1	17	34	72	59	21
SELECTED MACHINERY AND EQUIPMENT[1]								
Motortrucks, including pickups ………. farms..	43 238	23 243	410	2 677	3 806	4 346	5 820	6 184
number..	77 231	48 899	686	5 477	8 940	10 862	12 876	10 058
Wheel tractors ………. farms..	47 507	24 563	475	2 644	3 891	4 407	6 154	6 992
number..	143 734	91 606	1 371	9 295	15 692	19 106	24 224	21 918
Less than 40 horsepower (PTO) ………. farms..	29 681	14 464	301	1 386	2 082	2 490	3 543	4 662
number..	51 330	27 908	535	2 527	3 936	4 925	7 137	8 848
40 horsepower (PTO) or more ………. farms..	36 848	21 016	373	2 371	3 500	4 098	5 325	5 349
number..	92 404	63 698	836	6 768	11 756	14 181	17 087	13 070
Grain and bean combines ………. farms..	20 160	13 059	220	1 238	2 266	2 520	3 644	3 171
number..	23 587	15 552	246	1 497	2 714	3 103	4 318	3 674
Cottonpickers and strippers ………. farms..	-	-	-	-	-	-	-	-
number..	-	-	-	-	-	-	-	-
Mower conditioners ………. farms..	19 528	11 647	150	1 102	1 978	2 326	2 944	3 147
number..	21 051	12 752	156	1 216	2 130	2 538	3 206	3 506
Pickup balers ………. farms..	21 716	12 927	160	1 236	2 131	2 515	3 332	3 553
number..	24 924	15 276	176	1 502	2 546	3 146	3 976	3 930
AGRICULTURAL CHEMICALS[1]								
Commercial fertilizer ………. farms..	37 282	21 573	451	2 439	3 571	3 962	5 450	5 700
acres on which used..	5 300 902	4 412 260	48 129	540 580	1 018 372	1 089 797	1 169 156	546 246
Lime ………. farms..	6 799	4 558	62	542	916	963	1 124	951
acres on which used..	301 302	243 462	2 112	26 547	59 839	63 361	56 425	35 178
tons..	566 902	461 346	3 841	52 788	112 895	120 457	104 996	68 369
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ………. farms..	15 082	9 603	209	1 275	1 850	1 861	2 391	1 977
acres on which used..	1 532 318	1 326 288	9 525	165 490	323 699	339 782	329 860	157 932
Nematodes in crops ………. farms..	2 132	1 463	21	223	311	277	385	246
acres on which used..	205 371	176 368	1 601	29 633	39 816	41 569	40 551	23 198
Diseases in crops and orchards ………. farms..	5 320	3 307	50	398	598	607	812	842
acres on which used..	336 227	301 303	2 306	34 233	70 412	76 346	71 345	46 661
Weeds, grass, or brush in crops and pasture ………. farms..	27 595	16 755	388	2 031	2 976	3 205	4 180	3 975
acres on which used..	3 800 607	3 183 990	37 576	390 969	757 568	775 057	837 150	385 670
Chemicals for defoliation or for growth control of crops or thinning of fruit ………. farms..	2 204	1 521	6	226	293	304	368	324
acres on which used..	118 970	105 447	324	14 358	25 944	24 688	23 542	16 591

See footnotes at end of table.

Table 50. **Summary by Age and Principal Occupation of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Other occupations						
			Age of operator (years)					
		Total	Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
LAND IN FARMS ACCORDING TO USE—Con.								
Pastureland and rangeland other than cropland and woodland pastured	farms	3 565	23	412	965	1 140	725	300
	acres	87 967	570	6 820	15 839	28 994	21 555	14 189
Land in house lots, ponds, roads, wasteland, etc.	farms	18 155	179	2 080	4 951	5 411	3 839	1 695
	acres	238 733	1 490	20 061	53 185	72 975	61 911	29 111
Cropland under federal acreage reduction programs:								
Annual commodity acreage adjustment programs	farms	5 043	80	711	1 317	1 487	1 104	344
	acres	126 145	1 701	17 281	32 146	40 537	27 942	6 538
Conservation reserve program	farms	385	1	35	95	125	88	41
	acres	13 629	(D)	(D)	3 730	4 728	2 432	1 972
Value of land and buildings[1]	farms	25 302	422	3 196	6 817	7 490	4 967	2 410
	$1,000	2 807 946	31 879	315 592	745 736	862 156	599 293	253 290
Average per farm	dollars	110 977	75 543	98 746	109 394	115 108	120 655	105 100
Average per acre	dollars	1 113	1 030	1 168	1 189	1 137	1 027	1 005
Farms by value group:								
$1 to $39,999		4 696	202	808	1 162	1 217	771	536
$40,000 to $69,999		6 078	59	800	1 744	1 633	1 166	676
$70,000 to $99,999		5 383	52	703	1 544	1 626	1 077	381
$100,000 to $149,999		4 187	55	369	1 062	1 479	826	396
$150,000 to $199,999		1 864	10	177	453	704	376	144
$200,000 to $499,999		2 587	43	292	720	670	628	234
$500,000 to $999,999		422	-	38	126	130	97	31
$1,000,000 to $1,999,999		71	-	7	5	26	24	9
$2,000,000 to $4,999,999		10	1	1	-	4	2	2
$5,000,000 or more		4	-	1	1	1	-	1
VALUE OF MACHINERY AND EQUIPMENT[1]								
Estimated market value of all machinery and equipment	farms	25 261	415	3 196	6 804	7 484	4 959	2 403
	$1,000	566 078	7 769	81 306	153 759	167 561	110 840	44 842
Farms by value group:								
$1 to $4,999		3 188	56	460	957	837	550	328
$5,000 to $9,999		7 085	150	828	1 774	2 059	1 461	815
$10,000 to $19,999		5 991	86	728	1 748	1 861	1 079	489
$20,000 to $49,999		6 132	87	760	1 505	1 860	1 359	561
$50,000 to $99,999		2 089	25	294	582	665	352	171
$100,000 to $199,999		626	10	92	193	164	132	35
$200,000 to $499,999		144	1	35	43	36	26	3
$500,000 or more		6	-	1	2	2	-	1
SELECTED MACHINERY AND EQUIPMENT[1]								
Motortrucks, including pickups	farms	19 995	344	2 616	5 475	5 674	3 907	1 779
	number	28 332	459	3 808	7 868	8 413	5 428	2 356
Wheel tractors	farms	22 944	349	2 626	5 228	6 922	4 638	2 181
	number	52 126	738	5 908	13 558	15 780	11 169	4 975
Less than 40 horsepower (PTO)	farms	15 217	227	1 511	4 012	4 669	3 302	1 496
	number	23 422	296	2 374	5 652	7 097	5 447	2 556
40 horsepower (PTO) or more	farms	15 832	264	2 017	4 380	4 737	3 082	1 372
	number	28 706	442	3 534	7 906	8 683	5 722	2 419
Grain and bean combines	farms	7 101	108	1 068	1 915	2 030	1 420	560
	number	8 035	108	1 269	2 148	2 239	1 610	661
Cottonpickers and strippers	farms	-	-	-	-	-	-	-
	number	-	-	-	-	-	-	-
Mower conditioners	farms	7 881	89	880	2 043	2 507	1 650	712
	number	8 299	94	967	2 125	2 624	1 742	747
Pickup balers	farms	8 789	118	992	2 363	2 686	1 868	762
	number	9 648	134	1 090	2 602	2 941	2 061	820
AGRICULTURAL CHEMICALS[1]								
Commercial fertilizer	farms	16 709	263	2 031	4 212	4 685	3 151	1 367
	acres on which used	888 642	18 807	125 768	246 343	260 927	181 826	56 971
Lime	farms	2 241	41	296	623	594	495	192
	acres on which used	57 840	688	7 345	16 059	14 758	14 571	4 419
	tons	105 556	1 512	13 422	27 841	26 514	29 583	6 684
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops	farms	5 419	64	722	1 519	1 591	927	596
	acres on which used	206 030	4 135	30 316	52 959	62 733	36 421	19 466
Nematodes in crops	farms	669	28	128	113	246	103	53
	acres on which used	29 003	568	7 359	4 332	8 190	5 979	2 575
Diseases in crops and orchards	farms	2 013	25	240	499	640	362	247
	acres on which used	34 924	307	4 640	7 592	11 777	6 206	4 402
Weeds, grass, or brush in crops and pasture	farms	10 840	206	1 710	2 863	3 140	2 203	718
	acres on which used	616 617	13 675	92 871	176 363	171 436	130 116	32 156
Chemicals for defoliation or for growth control of crops or thinning of fruit	farms	683	7	97	194	246	101	38
	acres on which used	13 523	7	2 476	4 929	4 037	1 749	325

See footnotes at end of table.

Table 50. **Summary by Age and Principal Occupation of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Total farming and other occupations	Farming						
				Age of operator (years)					
			Total	Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
TENURE AND RACE OF OPERATOR									
All operators		51 172	26 112	486	2 963	4 208	4 679	6 548	7 228
Full owners		31 186	13 553	135	916	1 427	1 925	3 502	5 648
Part owners		16 903	11 084	134	1 498	2 486	2 602	2 891	1 473
Tenants		3 083	1 475	217	549	295	152	155	107
White		50 880	26 016	484	2 959	4 193	4 664	6 527	7 189
Full owners		30 964	13 484	133	914	1 420	1 916	3 487	5 614
Part owners		16 843	11 062	134	1 496	2 481	2 596	2 886	1 469
Tenants		3 073	1 470	217	549	292	152	154	106
Black and other races		292	96	2	4	15	15	21	39
Full owners		222	69	2	2	7	9	15	34
Part owners		60	22	-	2	5	6	5	4
Tenants		10	5	-	-	3	-	1	1
OWNED AND RENTED LAND									
Land owned	farms	48 162	24 674	269	2 425	3 917	4 532	6 400	7 131
	acres	7 097 326	5 063 241	35 348	377 246	849 496	1 175 123	1 463 634	1 162 392
Owned land in farms	farms	48 089	24 637	269	2 414	3 913	4 527	6 393	7 121
	acres	6 754 515	4 878 892	34 061	368 343	827 843	1 140 537	1 422 239	1 086 069
Land rented or leased from others	farms	20 096	12 615	352	2 054	2 788	2 764	3 059	1 598
	acres	3 587 514	2 951 487	58 723	487 753	798 226	700 943	666 197	239 645
Rented or leased land in farms	farms	19 986	12 559	351	2 047	2 781	2 754	3 046	1 580
	acres	3 562 346	2 932 038	58 628	486 404	793 434	691 800	663 452	238 320
Land rented or leased to others	farms	5 571	2 530	22	167	255	376	587	1 123
	acres	367 979	203 798	1 382	10 252	26 647	43 729	44 140	77 648
OPERATOR CHARACTERISTICS									
Operators by place of residence:									
On farm operated		41 967	22 264	282	2 251	3 587	4 056	5 802	6 286
Not on farm operated		6 332	2 382	178	544	410	383	441	426
Not reported		2 873	1 466	26	168	211	240	305	516
Operators by principal occupation:									
Farming		26 112	26 112	486	2 963	4 208	4 679	6 548	7 228
Other		25 060	-	-	-	-	-	-	-
Operators by days of work off farm:									
None		19 384	16 995	217	1 518	2 415	2 881	4 499	5 465
Any		29 155	6 484	228	1 247	1 473	1 420	1 421	695
1 to 99 days		4 058	3 165	90	545	634	636	794	466
100 to 199 days		4 279	1 528	63	303	374	338	326	124
200 days or more		20 818	1 791	75	399	465	446	301	105
Not reported		2 633	2 633	41	198	320	378	628	1 068
Operators by years on present farm:									
2 years or less		2 061	775	110	284	161	88	79	53
3 or 4 years		2 996	1 037	113	393	227	139	115	50
5 to 9 years		7 171	2 686	129	985	742	371	297	162
10 years or more		30 863	17 239	-	826	2 472	3 339	5 056	5 546
Average years on present farm		20.0	24.4	3.8	7.7	13.5	21.2	26.9	37.3
Not reported		8 081	4 375	134	475	606	742	1 001	1 417
Operators by age group:									
Under 25 years		829	486	486	-	-	-	-	-
25 to 34 years		6 206	2 963	-	2 963	-	-	-	-
35 to 44 years		11 098	4 208	-	-	4 208	-	-	-
45 to 49 years		6 142	2 312	-	-	-	2 312	-	-
50 to 54 years		5 792	2 367	-	-	-	2 367	-	-
55 to 59 years		5 944	3 018	-	-	-	-	3 018	-
60 to 64 years		5 649	3 530	-	-	-	-	3 530	-
65 to 69 years		4 355	3 231	-	-	-	-	-	3 231
70 years and over		5 157	3 997	-	-	-	-	-	3 997
Average age		50.9	53.8	22.0	30.2	39.5	49.5	59.7	71.4
Operators by sex:									
Male		48 458	24 694	472	2 821	3 923	4 438	6 221	6 819
Female		2 714	1 418	14	142	285	241	327	409
Operators of Spanish origin (see text)		122	63	-	8	5	11	22	17
FARMS BY TYPE OF ORGANIZATION									
Individual or family (sole proprietorship)	farms	45 166	21 906	439	2 431	3 448	3 958	5 341	6 349
	acres	7 848 652	5 639 839	79 696	622 102	1 175 703	1 382 300	1 392 470	987 568
Partnership	farms	4 662	3 237	38	432	542	517	962	746
	acres	1 851 919	1 637 210	9 706	183 078	325 654	298 289	553 060	267 423
Corporation:									
Family held	farms	1 056	778	4	78	189	178	212	117
	acres	518 500	473 905	1 335	37 076	112 007	127 624	131 107	64 756
More than 10 stockholders	farms	14	10	-	2	4	-	1	3
10 or less stockholders	farms	1 042	768	4	76	185	178	211	114
Other than family held	farms	111	60	2	9	16	13	15	5
	acres	39 206	28 819	(D)	(D)	4 438	12 428	2 898	1 303
More than 10 stockholders	farms	12	8	-	2	2	2	1	1
10 or less stockholders	farms	99	52	2	7	14	11	14	4
Other—cooperative, estate or trust, institutional, etc.	farms	177	71	3	13	13	13	18	11
	acres	58 584	31 157	(D)	(D)	3 275	11 696	6 158	3 339

See footnotes at end of table.

Table 50. **Summary by Age and Principal Occupation of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Other occupations						
			Age of operator (years)					
		Total	Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
TENURE AND RACE OF OPERATOR								
All operators		25 060	343	3 243	6 890	7 255	5 045	2 284
Full owners		17 633	122	1 734	4 451	5 235	4 063	2 028
Part owners		5 819	65	933	1 942	1 799	881	199
Tenants		1 608	156	576	497	221	101	57
White		24 864	340	3 223	6 830	7 204	5 002	2 265
Full owners		17 480	119	1 721	4 405	5 199	4 025	2 011
Part owners		5 781	65	927	1 929	1 785	878	197
Tenants		1 603	156	575	496	220	99	57
Black and other races		196	3	20	60	51	43	19
Full owners		153	3	13	46	36	38	17
Part owners		38	-	6	13	14	3	2
Tenants		5	-	1	1	1	2	-
OWNED AND RENTED LAND								
Land owned	farms	23 488	189	2 674	6 406	7 041	4 948	2 230
	acres	2 034 085	8 865	158 110	438 098	642 812	535 714	250 486
Owned land in farms	farms	23 452	187	2 667	6 393	7 034	4 944	2 227
	acres	1 875 623	8 261	147 068	405 231	595 521	494 739	224 803
Land rented or leased from others	farms	7 481	221	1 514	2 453	2 038	994	261
	acres	636 027	18 157	123 681	208 431	177 699	91 303	16 756
Rented or leased land in farms	farms	7 427	221	1 509	2 439	2 020	982	256
	acres	630 308	18 080	122 645	207 311	175 596	90 448	16 228
Land rented or leased to others	farms	3 041	14	274	721	888	702	442
	acres	164 181	681	12 078	33 987	49 394	41 830	26 211
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated		19 703	169	2 342	5 575	5 912	4 052	1 653
Not on farm operated		3 950	149	767	987	996	688	363
Not reported		1 407	25	134	328	347	305	268
Operators by principal occupation:								
Farming		-	-	-	-	-	-	-
Other		25 060	343	3 243	6 890	7 255	5 045	2 284
Operators by days of work off farm:								
None		2 389	9	101	213	269	544	1 253
Any		22 671	334	3 142	6 677	6 986	4 501	1 031
1 to 99 days		893	12	92	143	169	237	240
100 to 199 days		2 751	46	284	772	790	614	245
200 days or more		19 027	276	2 766	5 762	6 027	3 650	546
Not reported		-	-	-	-	-	-	-
Operators by years on present farm:								
2 years or less		1 286	92	414	404	230	106	40
3 or 4 years		1 959	79	663	687	350	146	34
5 to 9 years		4 485	79	1 165	1 772	979	399	91
10 years or more		13 624	-	612	3 173	4 737	3 594	1 508
Average years on present farm		15.6	3.7	6.5	10.4	16.0	[illegible]	31.5
Not reported		3 706	93	389	854	959	800	611
Operators by age group:								
Under 25 years		343	343	-	-	-	-	-
25 to 34 years		3 243	-	3 243	-	-	-	-
35 to 44 years		6 890	-	-	6 890	-	-	-
45 to 49 years		3 830	-	-	-	3 830	-	-
50 to 54 years		3 425	-	-	-	3 425	-	-
55 to 59 years		2 926	-	-	-	-	2 926	-
60 to 64 years		2 119	-	-	-	-	2 119	-
65 to 69 years		1 124	-	-	-	-	-	1 124
70 years and over		1 160	-	-	-	-	-	1 160
Average age		47.8	22.3	30.5	39.8	49.2	59.0	71.0
Operators by sex:								
Male		23 764	332	3 081	6 552	6 948	4 799	2 052
Female		1 296	11	162	338	307	246	232
Operators of Spanish origin (see text)		59	1	6	23	13	12	4
FARMS BY TYPE OF ORGANIZATION								
Individual or family (sole proprietorship)	farms	23 200	318	2 926	6 397	6 842	4 632	2 085
	acres	2 208 813	22 736	228 143	548 449	696 900	506 715	205 870
Partnership	farms	1 425	23	259	373	285	322	163
	acres	214 709	(D)	(D)	44 402	41 488	60 627	30 508
Corporation:								
Family held	farms	278	2	33	78	82	57	26
	acres	44 595	(D)	(D)	10 355	16 408	(D)	(D)
More than 10 stockholders	farms	4	-	-	2	2	-	-
10 or less stockholders	farms	274	2	33	76	80	57	26
Other than family held	farms	51	-	5	17	15	12	2
	acres	10 387	-	289	5 148	2 388	(D)	(D)
More than 10 stockholders	farms	4	-	1	1	1	-	1
10 or less stockholders	farms	47	-	4	16	14	12	1
Other—cooperative, estate or trust, institutional, etc.	farms	106	-	20	25	31	22	8
	acres	27 427	-	1 487	4 188	13 933	7 018	801

See footnotes at end of table.

Table 50. **Summary by Age and Principal Occupation of Operator: 1987**—Con.

[For meaning of abbreviations and symbuls, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
FARMS BY SIZE								
1 to 9 acres	2 866	929	46	181	175	137	167	223
10 to 49 acres	12 174	3 310	90	392	467	461	714	1 196
50 to 69 acres	3 667	1 277	30	139	146	155	277	530
70 to 99 acres	6 467	2 634	73	257	276	283	602	1 143
100 to 139 acres	5 478	2 678	40	271	300	365	670	1 032
140 to 179 acres	4 167	2 424	49	237	287	345	646	860
180 to 219 acres	2 833	1 816	30	207	250	329	447	553
220 to 259 acres	2 222	1 539	23	204	228	253	443	388
260 to 499 acres	6 274	4 953	64	588	986	1 090	1 360	865
500 to 999 acres	3 667	3 275	30	377	755	902	883	328
1,000 to 1,999 acres	1 134	1 068	10	99	289	307	277	86
2,000 acres or more	223	209	1	21	49	52	62	24
FARMS BY STANDARD INDUSTRIAL CLASSIFICATION								
Cash grains (011)	15 745	8 086	200	856	988	1 238	2 188	2 614
Field crops, except cash grains (013)	5 654	2 250	51	176	273	319	502	929
Cotton (0131)	-	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	5 654	2 250	51	176	273	319	502	929
Vegetables and melons (016)	1 758	957	19	128	148	174	252	236
Fruits and tree nuts (017)	3 307	1 855	11	184	281	303	481	595
Horticultural specialties (018)	1 311	690	4	89	160	139	166	132
General farms, primarily crop (019)	2 184	840	15	80	112	143	201	289
Livestock, except dairy, poultry, and animal specialties (021)	12 124	5 187	107	548	777	881	1 300	1 574
Beef cattle, except feedlots (0212)	4 605	1 795	25	120	172	227	498	753
Dairy farms (024)	5 199	4 881	67	723	1 142	1 208	1 162	579
Poultry and eggs (025)	455	243	4	33	47	41	71	47
Animal specialties (027)	2 931	808	7	97	220	172	143	169
General farms, primarily livestock and animal specialties (029)	504	315	1	47	60	61	82	64
LIVESTOCK								
Cattle and calves inventory farms	19 436	11 249	157	1 319	2 052	2 290	2 841	2 590
number	1 163 352	999 459	7 852	110 766	230 826	249 660	278 137	122 218
Farms with—								
1 to 9	5 321	1 606	31	164	208	210	365	628
10 to 49	7 897	4 083	68	431	576	680	1 055	1 273
50 to 99	2 904	2 434	36	359	500	569	589	381
100 to 199	2 045	1 901	17	246	434	502	497	205
200 to 499	1 078	1 042	5	102	292	277	280	86
500 or more	191	183	-	17	42	52	55	17
Cows and heifers that had calved farms	14 030	8 721	111	1 022	1 636	1 820	2 183	1 949
number	454 706	397 382	3 314	44 746	91 239	101 393	103 390	53 300
Beef cows farms	8 163	3 442	34	224	424	562	948	1 250
number	110 156	64 670	726	4 666	8 634	14 650	17 600	18 394
Farms with—								
1 to 9	4 691	1 550	15	100	173	239	405	618
10 to 49	3 136	1 639	15	101	212	248	473	590
50 to 99	257	184	2	16	28	52	53	33
100 to 199	61	51	2	5	8	17	14	5
200 to 499	16	16	-	2	3	5	2	4
500 or more	2	2	-	-	-	1	1	-
Milk cows farms	6 499	5 720	82	847	1 290	1 349	1 346	806
number	344 550	332 712	2 588	40 080	82 605	86 743	85 790	34 906
Farms with—								
1 to 4	719	330	10	43	58	31	66	122
5 to 9	241	168	5	22	22	31	29	59
10 to 49	2 874	2 620	50	472	560	608	568	362
50 to 99	1 724	1 676	15	225	394	427	437	178
100 to 199	791	777	2	75	220	206	200	74
200 to 499	141	140	-	10	34	44	42	10
500 or more	9	9	-	-	2	2	4	1
Heifers and heifer calves farms	13 710	8 683	109	1 051	1 650	1 810	2 193	1 870
number	372 907	333 800	2 691	38 151	78 892	84 736	90 367	38 963
Steers, steer calves, bulls, and bull calves farms	15 610	9 022	118	1 014	1 618	1 836	2 336	2 100
number	335 739	268 277	1 847	27 869	60 695	63 531	84 380	29 955
Cattle and calves sold farms	18 164	11 016	153	1 274	2 017	2 261	2 778	2 533
number	653 806	556 158	3 700	55 952	117 818	141 269	176 205	61 214
$1,000	320 270	274 644	1 593	26 329	56 405	72 126	90 422	27 769
Calves farms	8 447	5 942	76	778	1 228	1 299	1 444	1 117
number	183 302	156 285	1 519	18 233	39 165	37 600	42 268	17 500
$1,000	34 569	27 997	345	3 667	6 284	6 837	5 892	2 972
Cattle farms	16 208	9 889	134	1 132	1 790	2 035	2 537	2 261
number	470 504	399 873	2 181	37 719	78 653	103 669	133 937	43 714
$1,000	285 702	246 647	1 247	22 662	48 122	65 289	84 530	24 796
Fattened on grain and concentrates farms	7 067	3 767	49	380	648	732	1 011	947
number	281 874	244 670	1 022	21 725	48 616	64 395	89 850	19 082
$1,000	187 767	164 707	672	14 144	32 280	43 610	61 538	12 484

See footnotes at end of table.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
		Age of operator (years)					
	Total	Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
FARMS BY SIZE							
1 to 9 acres	1 937	64	421	598	456	232	166
10 to 49 acres	8 864	126	1 236	2 746	2 480	1 525	751
50 to 69 acres	2 390	30	283	654	723	480	220
70 to 99 acres	3 833	36	406	962	1 125	937	367
100 to 139 acres	2 800	36	352	663	810	651	288
140 to 179 acres	1 743	15	189	410	574	377	178
180 to 219 acres	1 017	13	111	252	301	241	99
220 to 259 acres	683	8	72	180	221	145	57
260 to 499 acres	1 321	12	131	315	414	334	115
500 to 999 acres	392	2	37	99	127	95	32
1,000 to 1,999 acres	66	1	4	11	19	22	9
2,000 acres or more	14	-	1	-	5	6	2
FARMS BY STANDARD INDUSTRIAL CLASSIFICATION							
Cash grains (011)	7 659	149	1 103	1 915	2 154	1 649	689
Field crops, except cash grains (013)	3 404	36	350	873	946	746	453
Cotton (0131)	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	3 404	36	350	873	946	746	453
Vegetables and melons (016)	801	11	94	225	248	140	83
Fruits and tree nuts (017)	1 452	16	146	329	426	362	173
Horticultural specialties (018)	621	6	97	154	163	134	67
General farms, primarily crop (019)	1 344	10	124	367	434	272	137
Livestock, except dairy, poultry, and animal specialties (021)	6 937	95	978	2 068	2 009	1 294	473
Beef cattle, except feedlots (0212)	2 810	27	347	719	855	623	239
Dairy farms (024)	318	7	54	75	102	58	22
Poultry and eggs (025)	212	3	29	80	48	36	16
Animal specialties (027)	2 123	6	238	727	667	332	153
General farms, primarily livestock and animal specialties (029)	189	4	30	57	58	22	18
LIVESTOCK							
Cattle and calves inventory farms	8 187	84	1 104	2 395	2 450	1 591	563
number	163 893	2 270	20 170	39 937	50 561	38 201	12 754
Farms with—							
1 to 9	3 715	35	554	1 202	1 047	621	256
10 to 49	3 814	43	462	1 045	1 182	813	269
50 to 99	470	3	63	114	163	107	20
100 to 199	144	1	21	29	47	38	8
200 to 499	36	1	4	4	9	10	8
500 or more	8	1	-	1	2	2	2
Cows and heifers that had calved farms	5 309	56	634	1 519	1 644	1 096	360
number	57 324	614	6 478	13 691	18 590	13 890	4 061
Beef cows farms	4 721	47	527	1 360	1 463	1 004	320
number	45 486	290	4 398	11 408	15 034	11 212	3 146
Farms with—							
1 to 9	3 141	37	377	985	930	603	209
10 to 49	1 497	10	147	355	500	380	105
50 to 99	73	-	2	17	31	17	6
100 to 199	10	-	1	3	2	4	-
200 to 499	-	-	-	-	-	-	-
500 or more	-	-	-	-	-	-	-
Milk cows farms	779	13	133	218	232	133	50
number	11 838	324	2 082	2 283	3 556	2 678	915
Farms with—							
1 to 4	369	4	63	123	109	69	21
5 to 9	73	2	14	24	15	11	7
10 to 49	254	5	47	62	93	31	16
50 to 99	68	1	6	8	13	16	4
100 to 199	14	1	3	1	2	5	2
200 to 499	1	-	-	-	-	1	-
500 or more	-	-	-	-	-	-	-
Heifers and heifer calves farms	5 027	47	635	1 403	1 584	1 012	346
number	39 107	373	4 859	9 349	11 753	9 868	2 905
Steers, steer calves, bulls, and bull calves farms	6 588	68	853	1 886	2 030	1 302	449
number	67 452	1 283	8 833	16 897	20 218	14 443	5 788
Cattle and calves sold farms	7 148	80	949	2 059	2 145	1 407	508
number	97 648	2 490	11 944	24 885	27 828	22 159	8 362
$1,000	45 626	1 037	5 473	11 602	12 900	11 184	3 430
Calves farms	2 505	24	381	669	747	521	163
number	27 017	1 901	3 868	6 934	7 398	4 564	2 352
$1,000	6 572	707	855	1 733	1 864	981	432
Cattle farms	6 319	72	798	1 826	1 937	1 237	449
number	70 631	589	8 076	17 931	20 430	17 595	6 010
$1,000	39 054	330	4 618	9 869	11 036	10 203	2 998
Fattened on grain and concentrates farms	3 300	43	419	1 021	1 035	579	203
number	37 204	336	4 751	10 262	8 983	10 565	2 307
$1,000	23 059	206	2 980	6 088	5 559	6 874	1 351

See footnotes at end of table.

Table 50. **Summary by Age and Principal Occupation of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
			Age of operator (years)					
		Total	Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
LIVESTOCK—Con.								
Hogs and pigs inventory farms	5 577	3 020	87	469	646	682	627	489
number	1 227 069	1 051 122	22 826	213 818	279 537	276 224	191 425	67 292
Farms with—								
1 to 24	2 249	867	15	94	148	165	193	252
25 to 49	680	319	12	54	63	60	67	63
50 to 99	717	384	25	59	75	78	79	68
100 to 199	635	388	8	87	79	97	78	39
200 to 499	660	474	13	89	108	117	114	33
500 or more	636	588	14	106	173	165	96	34
Used or to be used for breeding farms	3 523	2 057	60	337	461	500	420	279
number	183 586	158 023	3 697	32 015	42 792	41 358	26 701	11 460
Other farms	5 176	2 836	82	488	608	641	584	453
number	1 043 483	893 099	19 122	181 803	236 745	234 866	164 724	55 832
Hogs and pigs sold farms	5 603	3 073	96	502	649	707	626	493
number	2 215 872	1 895 809	40 220	423 315	505 307	491 079	308 347	127 541
$1,000	226 148	196 285	4 036	41 783	52 026	51 017	33 795	13 629
Feeder pigs farms	1 575	836	28	178	202	202	127	99
number	468 706	368 820	11 463	106 549	90 165	98 702	38 998	22 943
$1,000	21 840	17 315	569	4 977	4 006	4 891	1 896	977
Litters of pigs farrowed between—								
Dec. 1 of preceding year and Nov. 30 farms	3 714	2 148	66	355	473	511	442	301
number	252 915	218 980	5 190	47 339	59 431	56 198	35 692	15 130
Dec. 1 and May 31 farms	3 312	1 933	58	327	441	465	391	251
number	123 621	106 805	2 534	23 376	29 083	27 684	17 673	6 453
June 1 and Nov. 30 farms	3 316	1 977	60	334	444	481	406	252
number	129 294	112 175	2 656	23 961	30 348	28 514	18 019	8 677
Sheep and lambs of all ages inventory farms	2 057	889	13	96	138	180	207	255
number	101 330	63 422	2 107	6 038	10 513	13 341	15 864	15 559
Ewes 1 year old or older farms	1 857	827	13	82	128	167	196	241
number	62 036	37 826	1 562	4 097	6 203	7 348	9 275	9 341
Sheep and lambs sold farms	1 979	875	13	97	133	179	201	252
number	77 152	47 886	931	4 494	8 627	9 665	12 535	11 634
Sheep and lambs shorn farms	1 826	823	13	82	124	168	191	245
number	88 134	55 549	1 925	4 893	9 942	11 593	13 196	14 000
pounds of wool	655 169	413 561	12 626	39 695	68 374	89 597	98 527	104 742
Horses and ponies inventory farms	9 065	3 119	35	323	695	658	698	710
number	56 836	22 687	220	2 029	5 385	5 418	5 387	4 248
Horses and ponies sold farms	2 403	782	7	79	219	171	150	156
number	7 645	2 846	16	321	766	539	580	624
Goats inventory farms	1 234	434	6	76	89	92	89	82
number	21 405	9 446	134	2 250	1 462	2 319	1 556	1 725
Goats sold farms	469	187	1	34	35	37	50	30
number	9 252	3 728	(D)	(D)	530	978	1 223	592
POULTRY								
Chickens 3 months old or older inventory farms	3 550	1 562	20	175	263	297	383	434
number	8 428 623	7 831 612	46 235	727 286	1 444 334	1 501 393	2 713 385	1 398 979
Farms with—								
1 to 399	3 378	1 416	18	154	238	253	337	416
400 to 3,199	35	25	-	2	4	8	6	5
3,200 to 9,999	37	33	-	4	7	6	12	4
10,000 to 19,999	29	22	-	5	3	5	6	3
20,000 to 49,999	35	33	2	6	4	5	13	3
50,000 to 99,999	20	18	-	3	4	5	5	1
100,000 or more	16	15	-	1	3	5	4	2
Hens and pullets of laying age farms	3 490	1 533	18	171	261	285	373	425
number	7 152 993	6 695 836	37 665	687 066	1 306 872	1 308 644	2 284 178	1 071 411
Pullets 3 months old or older not of laying age farms	480	211	3	22	35	29	50	72
number	1 275 630	1 135 776	8 570	40 220	137 462	192 749	429 207	327 568
Hens and pullets sold farms	587	323	3	38	56	59	99	68
number	6 611 462	6 155 689	83 840	687 091	1 246 788	1 008 041	1 945 244	1 184 685
Broilers and other meat-type chickens sold farms	495	204	7	38	43	41	43	34
number	702 431	412 284	121 142	4 417	136 330	39 703	107 749	2 943
Farms with—								
1 to 1,999	482	197	6	38	41	38	42	34
2,000 to 59,999	8	4	-	-	1	3	-	-
60,000 to 99,999	2	-	-	-	-	-	-	-
100,000 or more	3	3	1	-	1	-	1	-
Turkey hens kept for breeding farms	169	71	-	16	11	17	13	14
number	60 229	59 679	-	16 160	4 137	77	6 057	33 248
Turkeys sold farms	281	116	1	34	34	17	18	12
number	2 906 878	2 883 626	(D)	(D)	788 522	1 423 202	236 296	46 718

See footnotes at end of table.

Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Other occupations						
			Age of operator (years)					
		Total	Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
LIVESTOCK—Con.								
Hogs and pigs inventory	farms	2 557	55	520	875	654	360	93
	number	175 947	6 388	44 825	56 349	43 595	21 059	3 731
Farms with—								
1 to 24		1 382	28	261	495	353	191	54
25 to 49		361	5	70	114	99	55	18
50 to 99		333	8	67	114	88	46	10
100 to 199		247	5	55	82	63	35	7
200 to 499		186	6	56	52	36	32	4
500 or more		48	3	11	18	15	1	-
Used or to be used for breeding	farms	1 486	26	303	476	384	224	53
	number	25 563	558	5 799	8 936	6 636	3 181	451
Other	farms	2 340	50	480	808	600	321	81
	number	150 384	5 830	39 026	47 411	36 959	17 878	3 280
Hogs and pigs sold	farms	2 530	55	519	886	640	339	91
	number	320 063	13 179	74 842	107 904	78 549	38 213	7 376
	$1,000	29 862	1 251	6 592	10 077	7 536	3 688	718
Feeder pigs	farms	739	10	178	268	181	80	22
	number	99 886	1 946	29 628	34 889	21 570	10 324	1 529
	$1,000	4 525	98	1 379	1 614	913	455	64
Litters of pigs farrowed between—								
Dec. 1 of preceding year and Nov. 30	farms	1 566	28	325	506	409	242	56
	number	33 935	664	7 563	12 023	8 753	4 304	628
Dec. 1 and May 31	farms	1 379	26	292	449	351	213	48
	number	16 816	414	3 643	5 967	4 309	2 156	327
June 1 and Nov. 30	farms	1 339	23	279	434	357	201	45
	number	17 119	250	3 920	6 056	4 444	2 148	301
Sheep and lambs of all ages inventory	farms	1 168	13	142	405	369	155	84
	number	37 908	592	4 058	13 558	11 110	5 005	3 585
Ewes 1 year old or older	farms	1 030	13	117	355	329	141	75
	number	24 210	447	2 738	8 508	7 057	3 451	2 009
Sheep and lambs sold	farms	1 104	15	131	399	327	152	80
	number	29 266	455	4 158	9 188	8 507	4 573	2 385
Sheep and lambs shorn	farms	1 003	14	103	345	321	143	77
	number	32 585	512	4 204	10 560	9 161	4 836	3 312
	pounds of wool	241 608	4 208	25 380	79 159	71 157	36 908	24 796
Horses and ponies inventory	farms	5 946	23	672	2 040	1 870	1 001	340
	number	34 149	89	3 042	10 585	11 086	6 847	2 500
Horses and ponies sold	farms	1 621	4	203	595	493	250	76
	number	4 799	7	547	1 559	1 554	857	275
Goats inventory	farms	800	4	110	312	228	116	30
	number	11 959	31	1 213	3 579	4 558	2 412	166
Goats sold	farms	282	2	46	112	73	44	5
	number	5 524	(D)	(D)	2 335	1 688	765	16
POULTRY								
Chickens 3 months old or older inventory	farms	1 988	18	271	670	552	341	136
	number	597 011	10 311	39 276	363 746	96 138	81 152	6 388
Farms with—								
1 to 399		1 962	17	268	659	548	336	134
400 to 3,199		10	-	-	5	1	2	2
3,200 to 9,999		4	1	1	1	1	-	-
10,000 to 19,999		7	-	2	2	1	2	-
20,000 to 49,999		2	-	-	1	-	1	-
50,000 to 99,999		2	-	-	1	1	-	-
100,000 or more		1	-	-	1	-	-	-
Hens and pullets of laying age	farms	1 957	17	266	663	543	336	132
	number	457 157	10 168	27 659	336 938	35 130	41 522	5 740
Pullets 3 months old or older not of laying age	farms	269	4	40	97	68	38	22
	number	139 854	143	11 617	26 808	61 008	39 630	648
Hens and pullets sold	farms	264	5	37	94	79	34	15
	number	455 773	3 762	29 637	170 737	75 525	117 941	58 171
Broilers and other meat-type chickens sold	farms	291	3	41	128	67	43	9
	number	290 147	1 128	23 898	59 628	96 975	35 130	73 388
Farms with—								
1 to 1,999		285	3	40	127	66	41	8
2,000 to 59,999		4	-	1	1	-	2	-
60,000 to 99,999		2	-	-	-	1	-	1
100,000 or more		-	-	-	-	-	-	-
Turkey hens kept for breeding	farms	98	-	16	33	27	20	2
	number	550	-	170	116	127	(D)	(D)
Turkeys sold	farms	165	1	21	78	39	21	5
	number	23 252	(D)	(D)	2 373	2 262	17 380	126

See footnotes at end of table.

Table 50. **Summary by Age and Principal Occupation of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
CROPS HARVESTED								
Corn for grain or seed farms	25 140	15 609	323	1 838	2 675	3 079	4 055	3 639
acres	1 982 401	1 639 900	20 907	205 479	376 549	405 104	428 642	203 219
bushels	189 779 819	160 007 096	2 017 356	20 043 540	37 735 565	40 318 050	41 197 949	18 694 636
Irrigated farms	979	804	14	90	200	224	199	77
acres	134 704	115 035	829	10 958	31 722	35 870	25 447	10 209
Farms by acres harvested:								
1 to 24 acres	10 135	4 556	112	394	504	589	1 130	1 827
25 to 99 acres	9 569	6 255	150	815	1 014	1 227	1 684	1 365
100 to 249 acres	3 689	3 177	49	435	718	805	843	327
250 to 499 acres	1 229	1 124	8	144	298	328	270	76
500 acres or more	518	497	4	50	141	130	128	44
Corn for silage or green chop farms	6 704	5 572	85	725	1 217	1 328	1 437	780
acres	294 323	271 386	2 504	29 487	64 048	73 066	74 105	28 176
tons, green	3 585 942	3 329 600	31 565	363 448	771 614	946 047	901 329	315 597
Irrigated farms	116	110	3	18	22	33	22	12
acres	5 807	5 632	48	961	1 150	2 184	752	537
Farms by acres harvested:								
1 to 24 acres	3 137	2 277	56	314	424	460	582	441
25 to 99 acres	2 850	2 609	26	357	613	681	660	272
100 to 249 acres	622	593	2	46	161	154	170	60
250 to 499 acres	75	73	1	7	13	27	19	6
500 acres or more	20	20	-	1	6	6	6	1
Wheat for grain farms	10 327	7 179	92	745	1 145	1 431	1 977	1 789
acres	356 073	289 309	2 180	30 362	59 358	71 369	80 042	45 998
bushels	16 465 394	13 668 711	104 441	1 459 155	2 855 694	3 396 408	3 821 360	2 031 653
Irrigated farms	80	66	2	7	12	18	15	14
acres	5 851	5 388	(D)	(D)	670	2 603	1 233	555
Farms by acres harvested:								
1 to 24 acres	5 899	3 567	63	356	405	533	970	1 240
25 to 99 acres	3 776	3 013	28	321	594	735	847	498
100 to 249 acres	583	534	1	62	143	139	145	44
250 to 499 acres	58	55	-	5	11	22	11	6
500 acres or more	11	10	-	1	2	2	4	1
Oats for grain farms	11 392	7 790	118	815	1 267	1 444	2 101	2 045
acres	259 445	205 526	2 571	22 317	40 184	43 275	56 764	40 415
bushels	14 634 547	11 887 051	134 506	1 244 611	2 324 590	2 605 427	3 367 016	2 210 901
Irrigated farms	45	34	-	3	6	10	6	9
acres	1 003	861	-	20	266	201	231	143
Soybeans for beans farms	12 734	7 558	169	880	1 162	1 422	2 021	1 904
acres	1 023 599	772 829	14 363	98 093	167 139	176 983	206 028	110 223
bushels	36 267 622	28 113 791	530 191	3 725 513	6 312 442	6 399 970	7 423 667	3 722 008
Irrigated farms	321	255	4	31	60	64	69	27
acres	24 078	20 588	100	2 789	5 358	6 279	4 842	1 220
Farms by acres harvested:								
1 to 24 acres	3 797	1 707	41	194	165	235	442	630
25 to 99 acres	5 907	3 424	78	364	448	575	939	1 020
100 to 249 acres	2 220	1 692	43	216	356	429	449	199
250 to 499 acres	621	558	5	87	142	132	151	41
500 acres or more	189	177	2	19	51	51	40	14
Dry edible beans, excluding dry limas farms	4 098	3 099	110	464	544	631	831	519
acres	383 687	341 924	5 638	45 818	78 408	83 057	93 415	35 588
cwt	4 931 689	4 433 002	70 989	575 739	1 046 742	1 050 660	1 213 293	475 579
Irrigated farms	113	94	-	13	21	28	23	9
acres	12 318	11 678	-	986	2 673	3 877	3 149	993
Farms by acres harvested:								
1 to 24 acres	1 034	581	30	67	73	81	137	193
25 to 99 acres	1 802	1 329	68	237	186	229	369	240
100 to 249 acres	912	847	11	114	192	229	239	62
250 to 499 acres	290	284	1	42	74	81	70	16
500 acres or more	60	58	-	4	19	11	16	8
Irish potatoes farms	564	457	9	64	73	92	123	96
acres	44 105	43 028	276	4 672	10 451	10 656	10 684	6 289
cwt	10 109 515	9 890 669	36 600	1 062 476	2 468 221	2 726 800	2 215 509	1 381 063
Irrigated farms	230	199	4	31	40	48	54	22
acres	23 866	23 497	93	3 186	5 246	6 689	5 825	2 459
Farms by acres harvested:								
0.1 to 4.9 acres	204	130	2	13	12	21	29	53
5.0 to 24.9 acres	73	52	2	15	3	6	18	8
25.0 to 99.9 acres	125	116	5	18	19	24	33	17
100.0 to 249.9 acres	116	113	-	16	24	29	32	12
250.0 acres or more	46	46	-	2	15	12	11	6
Sugar beets for sugar farms	1 435	1 210	60	207	247	273	325	98
acres	138 623	129 213	2 516	15 601	29 674	38 053	35 074	8 295
tons	2 759 381	2 577 376	51 622	309 263	594 023	775 464	685 052	161 952
Irrigated farms	40	33	1	6	8	11	7	-
acres	1 877	1 654	(D)	(D)	449	663	356	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) farms	25 983	14 030	164	1 408	2 303	2 661	3 546	3 948
acres	1 438 630	1 102 432	10 102	118 733	238 397	260 965	285 764	188 471
tons, dry	3 323 175	2 680 700	23 540	296 484	599 740	666 531	694 122	400 283
Irrigated farms	246	193	5	25	43	66	36	18
acres	11 710	10 542	185	1 069	2 375	4 093	1 912	908

See footnotes at end of table.

Table 50. **Summary by Age and Principal Occupation of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
		Age of operator (years)					
	Total	Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
CROPS HARVESTED							
Corn for grain or seed farms	9 531	156	1 353	2 533	2 764	1 968	757
acres	342 501	6 033	50 273	88 336	104 677	72 165	21 017
bushels	29 772 723	537 040	4 478 531	7 694 777	6 935 748	6 274 629	1 851 998
Irrigated farms	175	6	19	46	47	40	17
acres	19 669	585	3 505	3 561	6 138	3 890	1 981
Farms by acres harvested:							
1 to 24 acres	5 579	80	750	1 487	1 597	1 158	507
25 to 99 acres	3 314	66	513	877	973	664	221
100 to 249 acres	512	8	72	144	153	114	21
250 to 499 acres	105	2	16	21	31	28	7
500 acres or more	21	-	2	4	10	4	1
Corn for silage or green chop farms	1 132	10	171	284	336	240	91
acres	22 937	178	2 981	5 152	6 991	5 665	1 970
tons, green	256 342	2 221	35 525	55 044	74 062	66 760	22 730
Irrigated farms	6	-	1	3	-	-	2
acres	175	-	(D)	99	-	-	(D)
Farms by acres harvested:							
1 to 24 acres	860	8	137	222	250	179	64
25 to 99 acres	241	2	31	59	78	47	24
100 to 249 acres	29	-	3	3	7	13	3
250 to 499 acres	2	-	-	-	1	1	-
500 acres or more	-	-	-	-	-	-	-
Wheat for grain farms	3 148	59	421	754	914	711	289
acres	66 764	1 160	8 232	15 849	20 767	15 312	5 444
bushels	2 796 683	53 932	361 291	675 722	862 492	644 068	199 178
Irrigated farms	12	-	1	2	5	3	1
acres	463	-	(D)	(D)	149	123	(D)
Farms by acres harvested:							
1 to 24 acres	2 332	47	312	563	654	525	231
25 to 99 acres	763	11	107	180	238	171	56
100 to 249 acres	49	1	2	10	21	14	1
250 to 499 acres	3	-	-	1	1	1	-
500 acres or more	1	-	-	-	-	-	1
Oats for grain farms	3 602	52	542	953	1 033	746	276
acres	53 919	729	8 299	14 130	15 435	11 364	3 962
bushels	2 747 496	36 219	413 009	719 737	803 778	580 389	194 364
Irrigated farms	11	-	4	2	1	4	-
acres	142	-	52	(D)	(D)	42	-
Soybeans for beans farms	5 176	96	804	1 382	1 468	1 038	388
acres	250 770	4 278	37 404	71 626	74 386	49 106	13 970
bushels	8 153 831	130 586	1 232 032	2 315 324	2 416 314	1 614 753	444 822
Irrigated farms	66	3	9	23	13	14	4
acres	3 490	49	621	776	1 095	772	177
Farms by acres harvested:							
1 to 24 acres	2 090	34	330	539	562	427	198
25 to 99 acres	2 483	55	381	669	726	490	162
100 to 249 acres	528	6	81	145	157	112	27
250 to 499 acres	63	1	12	26	17	6	1
500 acres or more	12	-	-	3	6	3	-
Dry edible beans, excluding dry limas farms	999	32	190	272	273	175	57
acres	41 763	1 808	6 190	11 585	12 562	7 767	1 851
cwt	498 687	22 948	74 310	129 308	156 265	94 522	21 334
Irrigated farms	19	-	4	5	4	5	1
acres	640	-	75	53	215	(D)	(D)
Farms by acres harvested:							
1 to 24 acres	453	13	103	127	106	74	30
25 to 99 acres	473	14	76	124	143	92	24
100 to 249 acres	65	4	11	20	20	7	3
250 to 499 acres	6	-	-	1	4	1	-
500 acres or more	2	1	-	-	-	1	-
Irish potatoes farms	107	1	12	24	26	24	20
acres	1 077	(D)	(D)	196	297	206	138
cwt	218 846	(D)	(D)	36 596	72 057	53 942	10 856
Irrigated farms	31	-	5	6	8	5	7
acres	369	-	64	13	93	114	87
Farms by acres harvested:							
0.1 to 4.9 acres	74	-	5	15	18	19	17
5.0 to 24.9 acres	21	1	6	7	5	2	-
25.0 to 99.9 acres	9	-	-	2	2	2	3
100.0 to 249.9 acres	3	-	1	-	1	1	-
250.0 acres or more	-	-	-	-	-	-	-
Sugar beets for sugar farms	225	16	51	64	50	37	7
acres	9 410	703	1 518	2 493	2 669	1 794	233
tons	182 005	14 565	28 629	49 002	50 039	35 005	4 765
Irrigated farms	7	-	5	2	-	-	-
acres	223	-	(D)	(D)	-	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) farms	11 953	95	1 279	3 369	3 624	2 490	1 096
acres	334 198	3 050	36 978	84 135	103 192	75 391	31 452
tons, dry	642 475	6 065	71 317	158 796	206 991	142 279	57 027
Irrigated farms	53	2	4	11	20	10	6
acres	1 168	(D)	(D)	148	686	147	127

See footnotes at end of table.

Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Total farming and other occupations	Farming						
				Age of operator (years)					
			Total	Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
CROPS HARVESTED—Con.									
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) —Con.									
Farms by acres harvested:									
1 to 24 acres		12 059	4 471	58	390	553	655	1 114	1 701
25 to 99 acres		9 703	5 310	67	574	856	1 051	1 497	1 765
100 to 249 acres		3 358	2 938	34	372	684	735	703	410
250 to 499 acres		740	692	5	62	177	185	195	68
500 acres or more		123	119	-	10	33	35	37	4
Alfalfa hay	farms	22 439	12 252	147	1 244	2 052	2 371	3 109	3 329
	acres	971 083	721 080	7 553	76 698	147 754	170 143	186 115	132 817
	tons, dry	2 499 478	1 974 052	19 495	218 766	423 142	500 795	505 804	306 050
Irrigated	farms	195	151	5	16	40	44	29	17
	acres	7 561	6 616	140	643	1 774	2 462	998	599
Vegetables harvested for sale (see text)	farms	3 267	1 994	34	272	352	393	503	440
	acres	139 145	119 456	1 187	12 845	23 214	37 560	30 835	13 816
Irrigated	farms	908	664	13	109	124	148	177	93
	acres	53 780	50 705	567	5 939	8 493	19 452	11 801	4 454
Farms by acres harvested:									
0.1 to 4.9 acres		1 067	477	7	59	66	57	109	179
5.0 to 24.9 acres		1 122	644	16	88	105	116	166	153
25.0 to 99.9 acres		747	560	7	95	114	116	148	80
100.0 to 249.9 acres		235	222	3	24	49	82	46	18
250.0 acres or more		96	91	1	6	18	22	34	10
Snap beans harvested for sale	farms	510	337	7	53	52	60	90	75
	acres	21 198	19 084	275	3 018	2 993	6 949	3 613	2 235
Irrigated	farms	154	104	3	25	15	20	27	14
	acres	8 557	8 391	106	1 427	379	5 516	802	161
Land in orchards	farms	3 791	2 135	14	222	349	354	546	650
	acres	161 567	137 542	670	15 307	32 909	31 986	34 492	22 178
Irrigated	farms	504	347	1	49	76	72	74	75
	acres	17 815	16 291	(D)	(D)	3 652	6 280	3 253	1 841
Farms by bearing and nonbearing acres:									
0.1 to 4.9 acres		1 128	366	3	25	47	27	87	177
5.0 to 24.9 acres		1 261	619	5	52	66	87	144	265
25.0 to 99.9 acres		942	726	4	95	137	129	199	162
100.0 to 249.9 acres		365	332	2	42	68	89	97	34
250.0 acres or more		95	92	-	8	31	22	19	12
Apples	farms	2 516	1 452	9	174	250	256	373	390
Bearing and nonbearing	acres	73 244	64 187	116	8 410	15 285	14 558	16 331	9 488
	pounds	918 227 402	852 281 549	536 980	118 072 483	194 065 261	197 979 969	224 518 745	117 108 111
Cherries, total (see text)	farms	1 690	1 089	10	109	206	220	273	271
Bearing and nonbearing	acres	59 741	50 052	489	4 682	12 919	11 978	12 058	7 926
	pounds	254 177 979	223 968 238	2 209 617	20 559 513	60 377 966	52 758 069	54 417 842	33 645 231
Grapes (see text)	farms	989	522	3	33	55	73	149	209
Bearing and nonbearing	acres	11 932	8 805	29	342	1 480	1 702	2 964	2 290
Fresh weight	pounds	103 130 824	80 322 612	348 000	2 997 028	15 805 969	14 732 666	27 519 501	18 919 448
Berries harvested for sale	farms	1 427	782	9	67	118	131	212	245
	acres	17 540	13 728	162	1 775	1 590	3 312	4 553	2 337
Irrigated	farms	658	428	5	42	73	81	120	107
	acres	8 483	7 233	152	726	962	2 036	2 367	990

See footnotes at end of table.

Table 50. **Summary by Age and Principal Occupation of Operator: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
		Age of operator (years)					
	Total	Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
CROPS HARVESTED—Con.							
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) —Con.							
Farms by acres harvested:							
1 to 24 acres	7 586	59	799	2 269	2 289	1 506	666
25 to 99 acres	3 893	33	422	996	1 179	871	392
100 to 249 acres	420	1	52	94	141	95	37
250 to 499 acres	48	2	6	10	13	17	-
500 acres or more	4	-	-	-	2	1	1
Alfalfa hay farms	10 187	85	1 058	2 896	3 102	2 134	912
acres	250 003	2 451	25 785	63 697	78 176	56 530	23 364
tons, dry	525 426	5 205	56 285	132 012	170 809	114 559	46 556
Irrigated farms	44	2	3	10	15	9	5
acres	945	(D)	(D)	134	515	137	107
Vegetables harvested for sale (see text) farms	1 273	23	143	382	389	217	119
acres	19 689	220	3 867	5 510	5 896	2 710	1 485
Irrigated farms	244	2	36	71	72	39	24
acres	3 075	(D)	(D)	688	812	376	185
Farms by acres harvested:							
0.1 to 4.9 acres	590	7	65	189	170	90	69
5.0 to 24.9 acres	478	14	58	129	143	96	33
25.0 to 99.9 acres	187	2	19	57	70	29	10
100.0 to 249.9 acres	13	-	-	6	5	2	-
250.0 acres or more	5	-	1	1	1	-	2
Snap beans harvested for sale farms	173	3	10	54	53	30	14
acres	2 114	17	227	744	741	178	207
Irrigated farms	50	-	5	15	21	5	4
acres	166	-	2	26	134	2	1
Land in orchards farms	1 656	15	162	405	512	393	169
acres	24 025	304	2 287	4 937	7 830	6 832	1 836
Irrigated farms	157	1	13	36	61	36	10
acres	1 525	(D)	(D)	152	727	411	184
Farms by bearing and nonbearing acres:							
0.1 to 4.9 acres	762	1	75	198	225	174	89
5.0 to 24.9 acres	642	9	62	152	201	159	59
25.0 to 99.9 acres	216	5	23	51	71	47	19
100.0 to 249.9 acres	33	-	2	4	14	11	2
250.0 acres or more	3	-	-	-	1	2	-
Apples farms	1 064	5	114	265	336	247	97
Bearing and nonbearing acres	9 057	69	994	1 821	2 886	2 723	563
pounds	65 945 853	773 250	6 215 954	9 724 460	21 495 173	23 931 061	3 805 955
Cherries, total (see text) farms	601	7	54	148	199	133	60
Bearing and nonbearing acres	9 689	75	835	2 012	3 176	2 742	848
pounds	30 209 741	254 690	1 790 892	5 975 914	10 513 460	8 964 370	2 710 415
Grapes (see text) farms	467	6	42	110	141	112	56
Bearing and nonbearing acres	3 127	105	247	668	1 037	770	300
Fresh weight pounds	22 808 212	1 098 000	1 843 140	4 728 700	7 457 014	5 810 444	1 870 905
Berries harvested for sale farms	645	4	70	162	199	139	71
acres	3 812	8	549	844	1 294	778	339
Irrigated farms	230	-	26	59	75	51	19
acres	1 250	-	102	321	445	245	137

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[1] Data are based on a sample of farms.

[2] Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than $1,000.

Table 51. **Summary by Size of Farm: 1987**

[For meaning of abbreviations and symbols, see introductory text]

Item		Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
FARMS AND LAND IN FARMS							
Farms	number	51 172	2 866	12 174	3 667	6 467	5 478
	percent	100.0	5.6	23.8	7.2	12.6	10.7
Land in farms	acres	10 316 861	11 310	341 440	213 964	528 075	639 538
Average size of farm	acres	202	4	28	58	82	117
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD							
Total sales (see text)	farms	51 172	2 866	12 174	3 667	6 467	5 478
	$1,000	2 545 078	93 214	158 063	44 846	99 173	118 573
Average per farm	dollars	49 736	32 524	12 984	12 230	15 335	21 645
Farms by value of sales:							
Less than $1,000 (see text)		6 578	650	3 528	601	803	457
$1,000 to $2,499		6 092	687	2 825	627	895	517
$2,500 to $4,999		6 774	444	2 489	788	1 281	799
$5,000 to $9,999		7 548	341	1 638	884	1 577	1 227
$10,000 to $19,999		6 617	252	787	396	1 072	1 315
$20,000 to $24,999		1 843	52	176	74	157	234
$25,000 to $39,999		3 525	95	270	117	275	391
$40,000 to $49,999		1 477	42	90	40	90	117
$50,000 to $99,999		4 322	119	178	79	194	253
$100,000 to $249,999		4 339	104	99	45	94	126
$250,000 to $499,999		1 469	46	44	11	20	32
$500,000 to $999,999		433	29	27	3	4	8
$1,000,000 or more		155	5	23	2	5	2
Grains	farms	25 844	143	3 330	1 616	3 215	3 183
	$1,000	578 016	184	8 032	6 316	16 885	22 925
Sales of $50,000 or more	farms	2 952	-	-	-	-	-
	$1,000	345 512	-	-	-	-	-
Corn for grain	farms	19 198	80	1 877	1 038	2 244	2 335
	$1,000	284 853	83	3 156	2 421	6 335	8 922
Wheat	farms	10 011	13	505	333	914	1 073
	$1,000	42 448	8	506	437	1 317	1 829
Soybeans	farms	12 670	47	1 421	719	1 522	1 521
	$1,000	172 993	78	3 484	2 701	7 151	9 247
Sorghum for grain	farms	16	-	2	1	1	2
	$1,000	40	-	(D)	(D)	(D)	(D)
Barley	farms	656	1	23	12	45	65
	$1,000	2 527	(D)	(D)	15	(D)	(D)
Oats	farms	6 373	11	426	274	686	817
	$1,000	12 767	(D)	271	(D)	637	885
Other grains	farms	4 687	8	246	167	387	455
	$1,000	62 389	11	599	513	1 406	1 950
Cotton and cottonseed	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Sales of $50,000 or more	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Tobacco	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Sales of $50,000 or more	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Hay, silage, and field seeds	farms	11 876	79	2 329	876	1 719	1 525
	$1,000	53 956	61	3 439	2 097	4 394	4 942
Sales of $50,000 or more	farms	83	-	-	-	-	-
	$1,000	7 516	-	-	-	-	-
Vegetables, sweet corn, and melons	farms	3 267	197	931	285	354	283
	$1,000	136 925	586	7 617	3 598	6 776	9 859
Sales of $50,000 or more	farms	540	-	17	13	38	53
	$1,000	109 985	-	1 206	1 240	3 467	7 353
Fruits, nuts, and berries	farms	3 926	251	1 288	370	471	388
	$1,000	163 847	593	10 449	6 651	12 740	14 978
Sales of $50,000 or more	farms	795	-	22	33	82	101
	$1,000	131 184	-	1 452	3 018	7 739	10 808
Nursery and greenhouse crops	farms	1 543	424	621	103	111	81
	$1,000	215 912	35 041	53 419	8 663	20 564	18 555
Sales of $50,000 or more	farms	507	138	171	32	40	29
	$1,000	203 169	31 880	48 186	7 802	19 535	17 782
Other crops	farms	2 007	16	178	68	110	135
	$1,000	124 146	58	1 038	649	1 256	2 142
Sales of $50,000 or more	farms	675	-	1	-	-	8
	$1,000	100 597	-	(D)	-	-	(D)
Poultry and poultry products	farms	2 063	200	664	171	261	204
	$1,000	116 432	16 798	19 469	3 720	3 925	2 998
Sales of $50,000 or more	farms	182	34	19	13	16	16
	$1,000	114 271	16 484	18 852	3 600	3 686	2 860
Dairy products	farms	5 951	117	187	89	277	412
	$1,000	568 249	3 882	4 843	2 080	9 146	13 677
Sales of $50,000 or more	farms	3 618	31	29	9	52	94
	$1,000	512 675	2 737	2 480	730	5 035	7 284
Cattle and calves	farms	18 164	660	2 468	946	2 114	1 937
	$1,000	320 270	17 815	15 170	5 069	10 925	11 845
Sales of $50,000 or more	farms	840	25	25	6	12	11
	$1,000	191 890	14 782	8 456	1 694	2 207	2 014

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
FARMS AND LAND IN FARMS								
Farms	number	4 167	2 833	2 222	6 274	3 667	1 134	223
	percent	8.1	5.5	4.3	12.3	7.2	2.2	.4
Land in farms	acres	655 973	558 251	528 044	2 227 223	2 494 662	1 477 808	640 573
Average size of farm	acres	157	197	238	355	680	1 303	2 873
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales (see text)	farms	4 167	2 833	2 222	6 274	3 667	1 134	223
	$1,000	110 881	102 569	97 314	488 874	642 975	396 198	192 397
Average per farm	dollars	26 609	36 205	43 796	77 921	175 341	349 381	862 768
Farms by value of sales:								
Less than $1,000 (see text)		239	109	59	97	28	7	-
$1,000 to $2,499		265	120	65	73	14	3	1
$2,500 to $4,999		454	206	120	172	16	3	2
$5,000 to $9,999		769	414	254	391	50	3	-
$10,000 to $19,999		1 033	595	418	649	94	6	2
$20,000 to $24,999		311	274	175	334	49	6	1
$25,000 to $39,999		434	407	393	947	182	11	3
$40,000 to $49,999		154	146	122	535	131	10	-
$50,000 to $99,999		339	332	381	1 514	852	72	9
$100,000 to $249,999		144	197	212	1 302	1 536	459	21
$250,000 to $499,999		18	30	20	211	587	379	71
$500,000 to $999,999		3	2	4	41	108	132	72
$1,000,000 or more		4	1	1	8	20	43	41
Grains	farms	2 499	1 812	1 485	4 391	2 962	1 004	204
	$1,000	23 182	21 722	21 956	104 018	165 420	126 826	60 551
Sales of $50,000 or more	farms	3	2	19	462	1 470	815	181
	$1,000	(D)	(D)	1 020	30 409	131 207	122 451	60 152
Corn for grain	farms	1 893	1 393	1 135	3 545	2 562	906	190
	$1,000	8 992	8 539	9 027	47 890	84 298	68 673	36 516
Wheat	farms	933	772	661	2 199	1 807	665	136
	$1,000	1 799	1 830	1 732	8 110	12 372	8 644	3 865
Soybeans	farms	1 196	891	711	2 249	1 646	614	133
	$1,000	8 893	8 057	7 855	33 154	46 862	32 915	12 595
Sorghum for grain	farms	-	2	-	3	4	-	1
	$1,000	-	(D)	-	16	9	-	(D)
Barley	farms	44	55	44	163	131	58	17
	$1,000	57	(D)	87	434	652	680	(D)
Oats	farms	729	510	442	1 357	811	256	52
	$1,000	999	785	764	2 907	3 037	1 753	502
Other grains	farms	415	322	318	1 009	895	373	92
	$1,000	2 440	2 428	2 491	11 508	18 191	14 161	6 690
Cotton and cottonseed	farms	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-
Sales of $50,000 or more	farms	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-
Tobacco	farms	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-
Sales of $50,000 or more	farms	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-
Hay, silage, and field seeds	farms	1 201	781	636	1 544	892	243	51
	$1,000	4 554	3 381	3 374	10 977	10 020	3 946	2 770
Sales of $50,000 or more	farms	1	-	1	15	38	17	11
	$1,000	(D)	-	(D)	(D)	2 679	1 622	2 187
Vegetables, sweet corn, and melons	farms	188	159	125	345	264	110	26
	$1,000	5 897	5 864	4 744	23 351	34 848	23 081	10 703
Sales of $50,000 or more	farms	30	35	28	97	143	68	18
	$1,000	3 945	4 167	3 458	19 467	32 793	22 368	10 522
Fruits, nuts, and berries	farms	262	198	139	321	167	38	13
	$1,000	14 432	14 609	9 238	33 274	31 520	10 881	4 482
Sales of $50,000 or more	farms	93	89	61	174	110	23	7
	$1,000	11 142	12 504	7 898	30 782	30 689	10 744	4 409
Nursery and greenhouse crops	farms	42	21	22	69	36	11	2
	$1,000	9 199	979	1 637	12 924	12 694	(D)	(D)
Sales of $50,000 or more	farms	13	5	10	35	23	10	1
	$1,000	8 686	753	1 496	12 337	12 505	(D)	(D)
Other crops	farms	136	113	95	422	453	234	47
	$1,000	2 929	3 264	2 208	19 149	37 651	39 036	14 708
Sales of $50,000 or more	farms	11	13	7	101	289	204	41
	$1,000	1 099	1 439	605	10 881	33 070	38 130	14 545
Poultry and poultry products	farms	149	89	64	152	76	25	9
	$1,000	1 637	4 535	791	12 724	27 831	19 184	2 819
Sales of $50,000 or more	farms	10	9	5	25	21	9	5
	$1,000	1 446	4 416	716	12 574	27 710	19 116	2 810
Dairy products	farms	533	498	472	1 850	1 203	277	36
	$1,000	22 791	26 043	30 000	169 456	197 056	71 199	18 076
Sales of $50,000 or more	farms	186	205	277	1 336	1 097	267	35
	$1,000	14 453	18 278	24 547	154 142	194 100	(D)	(D)
Cattle and calves	farms	1 760	1 288	1 087	3 383	1 936	492	93
	$1,000	11 620	11 494	11 304	54 589	73 121	53 430	43 888
Sales of $50,000 or more	farms	18	22	24	177	281	183	56
	$1,000	1 264	2 387	3 019	19 962	45 884	47 091	43 130

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.						
Total sales (see text)—Con.						
Hogs and pigs farms	5 603	463	1 091	326	636	571
$1,000	226 148	13 378	17 032	3 862	9 419	14 582
Sales of $50,000 or more farms	994	55	50	15	41	66
$1,000	184 015	10 056	11 340	1 795	4 724	9 720
Sheep, lambs, and wool farms	2 072	141	565	134	280	201
$1,000	5 632	205	818	293	515	613
Sales of $50,000 or more farms	8	-	1	-	-	1
$1,000	786	-	(D)	-	-	(D)
Other livestock and livestock products (see text) farms	3 945	572	1 630	322	435	299
$1,000	35 546	4 613	16 677	1 846	2 629	1 458
Sales of $50,000 or more farms	91	21	20	7	11	4
$1,000	22 590	2 076	11 316	837	1 370	694
FARM PRODUCTION EXPENSES[1]						
Total farm production expenses farms	51 175	2 675	12 469	3 700	6 291	5 549
$1,000	2 211 823	73 160	152 373	46 031	94 670	112 552
Average per farm dollars	43 221	27 350	12 220	12 441	15 049	20 283
Livestock and poultry purchased farms	15 068	869	3 394	1 011	1 585	1 429
$1,000	190 386	16 590	13 277	3 589	6 409	6 892
Farms with expenses of—						
$1 to $4,999	10 826	643	2 997	863	1 333	1 156
$5,000 to $24,999	3 103	150	335	129	211	222
$25,000 to $99,999	873	58	42	14	33	43
$100,000 or more	266	18	20	5	8	8
Feed for livestock and poultry farms	23 220	1 332	5 356	1 455	2 330	2 170
$1,000	273 192	16 103	28 470	5 639	8 919	11 453
Farms with expenses of—						
$1 to $4,999	16 437	1 061	4 989	1 330	2 016	1 753
$5,000 to $24,999	4 529	186	292	91	260	324
$25,000 to $99,999	1 905	59	45	26	44	77
$100,000 or more	349	26	30	8	10	16
Commercially mixed formula feeds farms	11 999	648	2 343	632	962	911
$1,000	153 493	8 984	17 802	3 670	3 588	5 220
Farms with expenses of—						
$1 to $4,999	7 909	537	2 212	569	884	743
$5,000 to $24,999	3 065	68	93	35	59	123
$25,000 to $79,999	826	23	22	22	12	34
$80,000 or more	199	20	16	6	7	11
Seeds, bulbs, plants, and trees farms	35 507	626	5 639	2 260	4 324	4 250
$1,000	111 895	3 137	5 646	1 663	6 828	5 337
Farms with expenses of—						
$1 to $999	18 698	466	5 047	1 961	3 290	2 876
$1,000 to $4,999	11 636	64	444	273	985	1 258
$5,000 to $24,999	4 689	73	111	19	44	109
$25,000 or more	484	23	37	7	5	7
Commercial fertilizer farms	37 298	753	6 532	2 534	4 581	4 378
$1,000	194 526	424	3 709	2 360	5 317	7 890
Farms with expenses of—						
$1 to $4,999	27 886	747	6 515	2 518	4 538	4 137
$5,000 to $24,999	7 757	3	15	16	42	238
$25,000 to $49,999	1 265	2	1	-	1	3
$50,000 or more	390	1	1	-	-	-
Agricultural chemicals farms	35 505	1 065	6 445	2 315	4 120	4 007
$1,000	119 993	651	4 167	2 193	4 481	6 112
Farms with expenses of—						
$1 to $4,999	29 675	1 058	6 340	2 242	3 945	3 776
$5,000 to $24,999	5 100	4	100	73	171	218
$25,000 to $49,999	513	1	3	-	4	11
$50,000 or more	217	2	2	-	-	2
Petroleum products farms	48 556	2 287	11 157	3 522	5 986	5 399
$1,000	120 621	4 275	9 453	2 802	5 587	6 936
Farms with expenses of—						
$1 to $4,999	42 313	2 132	10 989	3 479	5 902	5 285
$5,000 to $24,999	5 863	128	125	40	76	111
$25,000 to $49,999	285	15	22	1	4	1
$50,000 or more	97	12	21	2	4	2
Gasoline and gasohol farms	41 658	1 953	9 489	2 957	5 111	4 671
$1,000	42 655	1 065	3 784	1 510	2 844	3 294
Diesel fuel farms	29 904	692	4 044	1 735	3 138	3 352
$1,000	50 970	613	1 539	754	1 583	2 133
Natural gas farms	1 941	206	341	74	96	152
$1,000	9 571	1 840	2 781	163	518	650
LP gas, fuel oil, kerosene, motor oil, grease, etc. farms	35 310	1 198	5 580	2 014	3 957	4 100
$1,000	17 425	737	1 349	356	643	880

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.							
Total sales (see text)—Con.							
Hogs and pigs ... farms	422	313	283	797	517	151	33
$1,000	11 296	9 546	10 556	44 633	51 857	27 330	12 658
Sales of $50,000 or more ... farms	58	64	62	231	238	92	22
$1,000	7 577	7 010	7 914	37 370	47 764	26 291	12 453
Sheep, lambs, and wool ... farms	180	109	87	213	130	24	8
$1,000	436	302	163	1 358	557	322	49
Sales of $50,000 or more ... farms	-	-	-	3	1	2	-
$1,000	-	-	-	348	(D)	(D)	-
Other livestock and livestock products (see text) ... farms	209	106	68	185	86	24	7
$1,000	2 909	830	1 344	2 420	401	(D)	(D)
Sales of $50,000 or more ... farms	8	2	6	8	1	2	1
$1,000	2 414	(D)	1 203	1 760	(D)	(D)	(D)
FARM PRODUCTION EXPENSES[1]							
Total farm production expenses ... farms	4 184	2 755	2 343	6 089	3 763	1 134	223
$1,000	96 777	84 970	88 911	393 674	554 452	342 954	169 298
Average per farm ... dollars	23 608	30 842	37 948	64 653	147 343	302 429	759 184
Livestock and poultry purchased ... farms	1 121	823	757	2 163	1 425	423	88
$1,000	5 980	5 697	6 090	25 687	37 395	35 203	27 576
Farms with expenses of—							
$1 to $4,999	841	586	436	1 261	619	98	13
$5,000 to $24,999	242	221	274	658	502	137	22
$25,000 to $99,999	36	33	46	203	235	109	21
$100,000 or more	2	3	1	41	69	79	32
Feed for livestock and poultry ... farms	1 845	1 285	1 196	3 429	2 157	568	107
$1,000	10 560	9 766	10 219	53 263	69 630	36 525	13 645
Farms with expenses of—							
$1 to $4,999	1 327	914	775	1 539	598	112	23
$5,000 to $24,999	456	291	336	1 304	814	154	21
$25,000 to $99,999	57	73	74	545	662	213	30
$100,000 or more	5	7	11	41	83	79	33
Commercially mixed formula feeds ... farms	877	657	673	2 277	1 543	403	73
$1,000	4 949	5 518	5 555	27 780	42 351	22 714	5 361
Farms with expenses of—							
$1 to $4,999	628	446	396	1 010	401	72	11
$5,000 to $24,999	223	189	240	1 030	817	160	28
$25,000 to $79,999	22	18	30	206	265	135	17
$80,000 or more	4	4	7	31	40	36	17
Seeds, bulbs, plants, and trees ... farms	3 365	2 374	2 110	5 622	3 612	1 105	220
$1,000	4 380	3 785	4 471	19 515	27 923	18 119	10 992
Farms with expenses of—							
$1 to $999	1 854	1 080	634	1 251	212	36	11
$1,000 to $4,999	1 452	1 221	1 325	3 315	1 175	112	12
$5,000 to $24,999	54	92	150	1 008	2 139	812	78
$25,000 or more	5	1	1	48	86	145	119
Commercial fertilizer ... farms	3 373	2 431	2 114	5 650	3 627	1 108	219
$1,000	8 429	7 646	9 364	37 609	59 015	36 628	16 045
Farms with expenses of—							
$1 to $4,999	2 999	1 947	1 305	2 679	448	43	10
$5,000 to $24,999	369	480	803	2 891	2 497	380	23
$25,000 to $49,999	5	4	6	79	627	490	47
$50,000 or more	-	-	-	1	55	193	139
Agricultural chemicals ... farms	3 152	2 300	1 989	5 245	3 549	1 103	215
$1,000	5 987	6 007	6 125	22 150	32 522	20 049	9 550
Farms with expenses of—							
$1 to $4,999	2 962	2 090	1 717	4 010	1 367	155	13
$5,000 to $24,999	165	174	243	1 118	2 015	758	61
$25,000 to $49,999	23	28	28	82	112	135	86
$50,000 or more	2	8	1	35	55	55	55
Petroleum products ... farms	4 084	2 718	2 287	6 032	3 738	1 127	221
$1,000	6 335	5 005	5 471	22 460	29 303	16 474	6 511
Farms with expenses of—							
$1 to $4,999	3 981	2 586	2 095	4 542	1 194	111	17
$5,000 to $24,999	101	130	190	1 476	2 480	903	103
$25,000 to $49,999	1	1	2	12	55	97	74
$50,000 or more	1	1	-	2	9	16	27
Gasoline and gasohol ... farms	3 484	2 344	1 990	5 127	3 348	987	197
$1,000	3 039	2 146	2 330	8 127	8 859	4 107	1 531
Diesel fuel ... farms	2 878	2 090	1 914	5 272	3 518	1 061	210
$1,000	2 160	2 055	2 276	10 598	15 044	6 562	3 647
Natural gas ... farms	131	111	75	299	286	125	45
[illegible]0	357	160	72	667	910	1 009	404
LP gas, fuel oil, kerosene, motor oil, grease, etc. ... farms	3 380	2 377	2 062	5 624	3 662	1 118	218
$1,000	771	644	793	3 057	4 489	2 796	929

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
FARM PRODUCTION EXPENSES[1] —Con.						
Total farm production expenses—Con.						
Electricity farms	38 590	1 906	7 740	2 423	4 351	4 044
$1,000	47 789	1 720	4 127	1 035	2 308	2 854
Farms with expenses of—						
$1 to $999	28 298	1 550	7 122	2 234	3 860	3 474
$1,000 to $4,999	8 382	299	532	174	459	526
$5,000 to $24,999	1 817	54	70	15	29	41
$25,000 or more	93	3	16	-	3	3
Hired farm labor farms	18 134	742	2 778	942	1 617	1 661
$1,000	242 445	10 263	18 807	5 272	8 895	15 835
Farms with expenses of—						
$1 to $4,999	12 177	551	2 467	780	1 370	1 342
$5,000 to $24,999	3 744	88	169	122	185	208
$25,000 to $99,999	1 856	80	106	34	52	98
$100,000 or more	357	23	36	6	10	13
Contract labor farms	4 652	203	1 085	324	478	369
$1,000	27 733	1 479	2 864	902	1 099	1 240
Farms with expenses of—						
$1 to $999	2 093	114	700	144	287	172
$1,000 to $4,999	1 582	50	308	142	151	122
$5,000 to $24,999	806	26	59	33	36	71
$25,000 or more	171	13	18	5	4	4
Repair and maintenance farms	43 440	1 967	9 502	3 021	5 177	4 795
$1,000	152 652	3 422	10 031	3 731	7 382	8 877
Farms with expenses of—						
$1 to $4,999	35 400	1 854	9 276	2 899	4 982	4 472
$5,000 to $24,999	7 271	98	204	120	184	307
$25,000 to $49,999	599	11	12	1	7	11
$50,000 or more	170	4	10	1	4	5
Customwork, machine hire, and rental of machinery and equipment farms	17 732	456	2 913	1 125	1 879	2 024
$1,000	34 043	437	2 175	893	1 599	1 854
Farms with expenses of—						
$1 to $999	10 922	356	2 582	907	1 378	1 455
$1,000 to $4,999	5 482	88	308	195	476	543
$5,000 to $24,999	1 208	11	18	23	23	25
$25,000 or more	120	1	5	-	2	1
Interest expense farms	25 197	1 027	4 229	1 492	2 518	2 449
$1,000	197 966	3 687	11 681	3 615	8 297	8 719
Farms with expenses of—						
$1 to $4,999	16 167	898	3 716	1 315	1 987	1 868
$5,000 to $24,999	7 257	115	482	173	519	562
$25,000 to $99,999	1 658	13	26	4	11	19
$100,000 or more	115	1	5	-	1	-
Secured by real estate farms	19 208	696	3 246	1 078	1 950	1 782
$1,000	143 627	2 420	9 077	2 731	6 437	6 635
Farms with expenses of—						
$1 to $999	3 710	322	888	310	483	412
$1,000 to $4,999	8 262	286	1 967	637	1 020	895
$5,000 to $24,999	6 052	80	366	129	442	461
$25,000 or more	1 184	8	25	2	5	14
Not secured by real estate farms	13 182	509	1 925	723	1 110	1 254
$1,000	54 339	1 267	2 604	884	1 860	2 084
Farms with expenses of—						
$1 to $999	5 228	288	1 204	443	609	693
$1,000 to $4,999	5 274	187	668	258	456	475
$5,000 to $24,999	2 336	29	46	22	43	82
$25,000 or more	344	5	7	-	2	4
Cash rent farms	15 070	156	1 267	569	962	1 374
$1,000	101 910	203	1 254	835	1 899	2 617
Farms with expenses of—						
$1 to $4,999	10 324	144	1 251	551	905	1 284
$5,000 to $9,999	2 078	9	3	15	36	69
$10,000 to $24,999	1 738	2	12	1	18	19
$25,000 or more	930	1	1	2	3	2
Property taxes farms	48 191	2 449	11 598	3 516	5 986	5 209
$1,000	157 280	2 524	16 343	6 305	11 575	12 413
Farms with expenses of—						
$1 to $4,999	40 046	2 399	11 424	3 461	5 846	4 904
$5,000 to $9,999	5 386	36	133	44	116	279
$10,000 to $24,999	2 444	14	35	10	23	24
$25,000 or more	315	-	6	1	1	2
All other farm production expenses farms	46 587	2 330	10 273	3 165	5 605	5 192
$1,000	239 391	8 245	20 280	5 198	14 076	13 523
Farms with expenses of—						
$1 to $4,999	38 311	2 107	9 904	2 995	5 315	4 872
$5,000 to $24,999	6 496	149	285	153	259	276
$25,000 to $49,999	1 117	41	36	11	13	30
$50,000 or more	663	33	48	6	18	14

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
FARM PRODUCTION EXPENSES[1] —Con.							
Total farm production expenses—Con.							
Electricity .... farms..	3 279	2 341	2 088	5 533	3 576	1 092	217
$1,000..	2 535	2 133	2 305	9 506	11 407	5 653	2 205
Farms with expenses of—							
$1 to $999	2 659	1 698	1 371	2 894	1 209	203	24
$1,000 to $4,999	583	608	668	2 262	1 625	560	86
$5,000 to $24,999	35	34	49	372	726	302	90
$25,000 or more	2	1	-	5	16	27	17
Hired farm labor .... farms..	1 410	989	975	3 274	2 606	940	200
$1,000..	9 754	7 146	6 084	36 995	58 206	42 282	22 908
Farms with expenses of—							
$1 to $4,999	1 127	700	754	1 970	937	170	9
$5,000 to $24,999	213	225	146	947	985	395	61
$25,000 to $99,999	62	56	71	310	600	303	84
$100,000 or more	8	8	4	47	84	72	46
Contract labor .... farms..	269	263	154	641	586	226	54
$1,000..	609	1 005	482	3 521	7 646	3 333	3 353
Farms with expenses of—							
$1 to $999	122	137	73	227	96	19	2
$1,000 to $4,999	108	64	53	250	252	67	15
$5,000 to $24,999	34	56	27	136	189	110	29
$25,000 or more	5	6	1	28	49	30	8
Repair and maintenance .... farms..	3 676	2 537	2 163	5 674	3 613	1 104	211
$1,000..	8 865	7 225	7 417	29 902	37 913	19 950	8 138
Farms with expenses of—							
$1 to $4,999	3 287	2 135	1 696	3 531	1 062	182	24
$5,000 to $24,999	381	398	460	2 073	2 297	674	75
$25,000 to $49,999	6	3	6	62	226	194	60
$50,000 or more	2	1	1	8	28	54	52
Customwork, machine hire, and rental of machinery and equipment .... farms..	1 684	1 178	1 002	2 835	1 888	619	129
$1,000..	1 965	1 691	1 574	6 553	8 098	4 860	2 344
Farms with expenses of—							
$1 to $999	1 011	692	536	1 308	565	122	10
$1,000 to $4,999	634	438	414	1 226	847	265	48
$5,000 to $24,999	37	48	50	279	446	196	52
$25,000 or more	2	-	2	22	30	36	19
Interest expense .... farms..	2 090	1 532	1 500	4 033	3 122	1 005	200
$1,000..	8 349	7 760	7 994	36 656	54 258	32 409	14 533
Farms with expenses of—							
$1 to $4,999	1 568	1 055	924	1 836	839	143	18
$5,000 to $24,999	512	445	548	1 914	1 546	396	45
$25,000 to $99,999	9	31	28	280	715	424	98
$100,000 or more	1	1	-	3	22	42	39
Secured by real estate .... farms..	1 463	1 129	1 115	3 204	2 536	847	162
$1,000..	5 651	5 776	6 030	26 838	39 237	22 537	10 259
Farms with expenses of—							
$1 to $999	364	233	160	351	161	23	3
$1,000 to $4,999	708	492	492	1 131	508	115	11
$5,000 to $24,999	384	382	442	1 557	1 371	393	45
$25,000 or more	7	22	21	165	496	316	103
Not secured by real estate .... farms..	1 149	868	827	2 255	1 803	630	129
$1,000..	2 699	1 993	1 964	9 817	15 021	9 872	4 274
Farms with expenses of—							
$1 to $999	487	378	338	523	224	35	6
$1,000 to $4,999	532	391	380	1 123	664	130	10
$5,000 to $24,999	128	95	105	574	810	349	53
$25,000 or more	2	4	4	35	105	115	60
Cash rent .... farms..	1 206	1 016	975	3 478	2 904	977	186
$1,000..	3 153	3 075	3 653	16 577	33 773	23 573	11 298
Farms with expenses of—							
$1 to $4,999	1 036	793	733	2 386	1 064	165	12
$5,000 to $9,999	123	189	165	654	658	147	10
$10,000 to $24,999	44	33	70	389	791	323	36
$25,000 or more	3	1	7	49	391	342	128
Property taxes .... farms..	3 901	2 610	2 249	5 797	3 583	1 090	203
$1,000..	10 951	8 525	8 535	29 465	30 165	14 809	5 672
Farms with expenses of—							
$1 to $4,999	3 483	2 120	1 674	3 338	1 173	204	20
$5,000 to $9,999	398	437	520	1 910	1 182	304	27
$10,000 to $24,999	20	51	53	536	1 148	452	78
$25,000 or more	-	2	2	13	80	130	78
All other farm production expenses ...... farms..	3 963	2 640	2 320	6 009	3 737	1 132	221
$1,000..	10 923	8 495	9 128	43 706	57 200	34 086	14 529
Farms with expenses of—							
$1 to $4,999	3 531	2 226	1 848	3 782	1 431	264	36
$5,000 to $24,999	402	381	430	1 868	1 673	539	81
$25,000 to $49,999	18	29	32	274	406	184	43
$50,000 or more	12	4	10	85	227	145	61

See footnotes at end of table.

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Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT[1]							
All farms	number	51 175	2 675	12 469	3 700	6 291	5 549
	$1,000	319 953	15 563	6 316	-2 385	182	9 645
Average per farm	dollars	6 252	5 818	507	-645	29	1 738
Farms with net gains[2]	number	21 623	1 196	3 451	1 116	2 095	2 300
Average net gain	dollars	23 491	18 291	11 140	8 194	8 719	11 162
Gain of–							
Less than $1,000		3 082	252	1 048	288	390	387
$1,000 to $9,999		9 235	611	1 805	631	1 298	1 295
$10,000 to $49,999		6 613	225	461	158	342	530
$50,000 or more		2 693	108	137	39	65	88
Farms with net losses	number	29 552	1 479	9 018	2 584	4 196	3 249
Average net loss	dollars	6 362	4 268	3 563	4 462	4 310	4 933
Loss of–							
Less than $1,000		4 347	323	1 852	392	637	360
$1,000 to $9,999		20 539	1 064	6 639	1 993	3 228	2 552
$10,000 to $49,999		4 375	89	527	190	329	334
$50,000 or more		291	3	-	9	2	3
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME							
Government payments	farms	19 666	127	1 205	779	2 011	2 234
	$1,000	223 470	268	1 737	1 454	4 510	7 573
Other farm-related income[1]	farms	11 845	440	2 341	762	1 224	1 272
	$1,000	37 093	1 297	4 634	1 692	2 836	3 389
Customwork and other agricultural services	farms	4 489	111	490	198	418	460
	$1,000	14 787	324	859	474	1 107	1 209
Gross cash rent or share payments	farms	3 973	281	1 377	430	513	458
	$1,000	10 076	771	2 410	836	1 188	1 255
Forest products and Christmas trees	farms	1 731	21	246	77	218	130
	$1,000	5 537	16	389	147	306	227
Other farm-related income sources	farms	3 533	80	465	112	246	358
	$1,000	6 693	186	976	236	235	697
COMMODITY CREDIT CORPORATION LOANS							
Total	farms	7 081	71	155	136	381	492
	$1,000	151 146	1 026	712	379	1 374	2 285
Corn	farms	6 720	2	93	118	344	464
	$1,000	135 370	(D)	(D)	252	942	1 979
Wheat	farms	522	-	8	9	35	43
	$1,000	2 150	-	2	5	26	40
Soybeans	farms	542	-	6	11	22	30
	$1,000	11 105	-	6	49	80	174
Sorghum, barley, and oats	farms	177	-	1	4	15	19
	$1,000	351	-	(D)	(D)	5	16
Cotton	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey	farms	169	69	53	6	20	8
	$1,000	2 170	(D)	570	(D)	321	77
LAND IN FARMS ACCORDING TO USE							
Total cropland	farms	48 653	1 533	11 329	3 563	6 352	5 431
	acres	8 181 320	5 683	233 325	150 732	377 934	470 050
Harvested cropland	farms	46 017	1 253	9 928	3 364	6 053	5 253
	acres	6 172 468	4 096	154 522	101 558	250 634	320 584
Farms by acres harvested:							
1 to 49 acres		21 716	1 253	9 928	2 754	3 770	2 010
50 to 99 acres		8 662	-	-	610	2 283	2 475
100 to 199 acres		6 866	-	-	-	-	768
200 to 499 acres		6 088	-	-	-	-	-
500 to 999 acres		2 075	-	-	-	-	-
1,000 to 1,999 acres		518	-	-	-	-	-
2,000 acres or more		72	-	-	-	-	-
Cropland:							
Pasture or grazing only	farms	16 096	331	3 547	1 124	2 101	1 797
	acres	518 589	1 148	37 083	17 690	46 661	46 095
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured	farms	10 093	27	889	503	1 168	1 324
	acres	440 552	64	7 491	6 588	19 996	28 053
On which all crops failed	farms	3 746	19	586	260	4	496
	acres	90 181	53	4 975	2 953	6 508	8 058
In cultivated summer fallow	farms	5 130	9	443	286	616	751
	acres	139 260	23	3 627	3 325	8 752	12 179
Idle	farms	17 994	101	2 431	1 165	2 260	2 236
	acres	820 270	299	25 627	18 618	45 383	55 081
Total woodland	farms	27 107	188	3 837	1 887	3 769	3 471
	acres	1 253 543	468	35 521	30 479	78 402	96 334
Woodland pastured	farms	6 101	59	877	389	790	691
	acres	229 240	154	7 373	4 716	13 981	14 395
Woodland not pastured	farms	23 871	134	3 196	1 633	3 258	3 086
	acres	1 024 303	314	28 148	25 763	64 421	81 939

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT[1]								
All farms	number	4 184	2 755	2 343	6 089	3 763	1 134	223
	$1,000	10 920	9 843	13 732	81 108	98 685	53 244	23 099
Average per farm	dollars	2 610	3 573	5 861	13 320	26 225	46 952	103 584
Farms with net gains[2]	number	1 763	1 315	1 314	3 626	2 490	794	163
Average net gain	dollars	14 569	15 813	18 287	29 972	49 892	80 831	165 365
Gain of—								
Less than $1,000		192	126	130	193	54	20	-
$1,000 to $9,999		910	584	512	1 065	404	107	13
$10,000 to $49,999		586	533	566	1 715	1 184	276	37
$50,000 or more		75	70	106	653	846	391	113
Farms with net losses	number	2 421	1 440	1 029	2 463	1 273	340	80
Average net loss	dollars	6 099	7 605	10 007	11 194	20 067	32 163	64 255
Loss of—								
Less than $1,000		291	158	77	180	66	8	3
$1,000 to $9,999		1 773	923	563	1 267	439	87	11
$10,000 to $49,999		349	355	379	984	644	173	22
$50,000 or more		8	4	10	32	124	72	24
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME								
Government payments	farms	1 960	1 575	1 300	4 315	2 956	1 014	190
	$1,000	8 535	8 335	8 656	45 496	69 224	48 267	19 415
Other farm-related income[1]	farms	811	659	615	1 823	1 413	395	80
	$1,000	2 516	2 028	1 240	5 817	6 908	3 964	772
Customwork and other agricultural services	farms	298	302	273	886	776	239	38
	$1,000	925	896	596	2 621	3 716	1 662	397
Gross cash rent or share payments	farms	240	126	86	288	124	43	7
	$1,000	772	346	141	1 080	724	403	150
Forest products and Christmas trees	farms	180	159	97	333	212	55	3
	$1,000	479	360	180	1 362	1 121	936	14
Other farm-related income sources	farms	239	272	230	700	610	185	36
	$1,000	340	425	323	754	1 346	964	210
COMMODITY CREDIT CORPORATION LOANS								
Total	farms	542	466	469	1 863	1 718	653	135
	$1,000	2 726	2 778	3 972	24 338	49 270	42 040	20 247
Corn	farms	510	452	458	1 818	1 685	644	132
	$1,000	2 428	2 495	3 602	22 248	44 902	38 261	18 108
Wheat	farms	58	35	19	129	118	56	12
	$1,000	56	46	31	311	540	560	534
Soybeans	farms	28	27	31	123	167	72	25
	$1,000	133	214	329	1 675	3 754	3 154	1 537
Sorghum, barley, and oats	farms	17	14	8	53	30	12	4
	$1,000	13	(D)	(D)	84	73	64	69
Cotton	farms	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey	farms	6	3	1	3	-	-	-
	$1,000	98	(D)	(D)	20	-	-	-
LAND IN FARMS ACCORDING TO USE								
Total cropland	farms	4 140	2 825	2 211	6 255	3 662	1 131	221
	acres	481 825	421 079	403 613	1 763 385	2 082 758	1 263 933	527 003
Harvested cropland	farms	4 030	2 769	2 188	6 183	3 649	1 126	221
	acres	333 277	299 256	295 707	1 332 624	1 654 350	1 007 203	418 657
Farms by acres harvested:								
1 to 49 acres		1 003	420	232	289	48	8	1
50 to 99 acres		1 502	776	422	548	60	5	4
100 to 199 acres		1 525	1 501	1 139	1 756	163	10	9
200 to 499 acres		-	72	395	3 590	1 931	91	11
500 to 999 acres		-	-	-	-	1 447	617	123
1,000 to 1,999 acres		-	-	-	-	-	395	72
2,000 acres or more		-	-	-	-	-	-	
Cropland:								
Pasture or grazing only	farms	1 486	1 030	795	2 394	1 185	260	46
	acres	47 510	37 844	29 835	124 686	84 128	34 894	11 015
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured	farms	1 046	795	630	1 922	1 292	417	80
	acres	28 237	25 537	22 947	92 757	110 233	69 280	29 369
On which all crops failed	farms	315	259	217	589	384	120	22
	acres	6 776	5 046	4 620	19 204	18 337	10 848	2 803
In cultivated summer fallow	farms	633	444	311	979	458	168	32
	acres	12 563	10 910	7 657	33 612	24 092	17 037	5 483
Idle	farms	1 747	1 191	1 020	3 017	1 988	699	139
	acres	53 462	42 486	42 847	160 502	191 618	124 671	59 676
Total woodland	farms	2 804	1 932	1 536	4 402	2 472	698	120
	acres	104 382	82 167	77 771	296 423	268 484	130 775	52 337
Woodland pastured	farms	650	460	360	1 078	575	143	29
	acres	17 788	14 534	13 175	55 696	51 446	22 151	13 831
Woodland not pastured	farms	2 470	1 726	1 393	3 968	2 247	644	107
	acres	86 594	67 633	64 596	240 727	217 038	108 624	38 506

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
LAND IN FARMS ACCORDING TO USE—Con.						
Pastureland and rangeland other than cropland and woodland pastured farms	6 852	208	1 655	514	833	720
acres	230 074	691	16 605	7 389	17 350	15 836
Land in house lots, ponds, roads, wasteland, etc. farms	37 216	2 124	8 773	2 605	4 746	4 010
acres	651 924	4 468	55 989	25 364	54 389	57 318
Cropland under federal acreage reduction programs:						
Annual commodity acreage adjustment programs farms	16 012	7	633	535	1 451	1 695
acres	751 325	12	3 711	4 529	15 838	25 034
Conservation reserve program farms	851	1	37	31	93	119
acres	38 874	(D)	(D)	516	1 884	4 077
Value of land and buildings[1] farms	51 175	2 675	12 469	3 700	6 291	5 549
$1,000	10 033 617	129 509	913 499	323 572	623 134	655 918
Average per farm dollars	196 065	48 415	73 262	87 452	99 052	118 205
Average per acre dollars	971	12 486	2 591	1 499	1 214	1 010
Farms by value group:						
$1 to $39,999	6 878	1 635	3 665	591	576	270
$40,000 to $69,999	9 417	446	3 919	1 232	1 799	1 125
$70,000 to $99,999	8 555	233	2 349	909	1 892	1 410
$100,000 to $149,999	7 959	191	1 500	518	1 173	1 485
$150,000 to $199,999	4 711	80	524	230	433	644
$200,000 to $499,999	9 376	71	455	196	349	553
$500,000 to $999,999	3 044	14	41	22	64	61
$1,000,000 to $1,999,999	975	5	14	1	4	-
$2,000,000 to $4,999,999	237	-	2	-	1	-
$5,000,000 or more	23	-	-	1	-	1
VALUE OF MACHINERY AND EQUIPMENT[1]						
Estimated market value of all machinery and equipment farms	51 085	2 668	12 437	3 700	6 269	5 543
$1,000	2 347 585	51 987	184 568	77 461	146 399	167 394
Farms by value group:						
$1 to $4,999	4 330	552	2 313	304	483	380
$5,000 to $9,999	10 003	966	4 365	937	1 477	1 044
$10,000 to $19,999	9 792	470	3 105	1 032	1 679	1 382
$20,000 to $49,999	12 783	495	2 142	1 099	1 969	1 732
$50,000 to $99,999	7 353	91	375	257	501	761
$100,000 to $199,999	4 551	57	91	57	117	210
$200,000 to $499,999	2 063	35	41	13	42	52
$500,000 or more	210	2	5	1	1	2
SELECTED MACHINERY AND EQUIPMENT[1]						
Motortrucks, including pickups farms	43 238	2 150	9 449	2 942	5 126	4 644
number	77 231	2 879	12 765	4 136	7 173	7 108
Wheel tractors farms	47 507	2 008	11 015	3 354	5 959	5 263
number	143 734	4 176	21 240	7 697	14 792	14 286
Less than 40 horsepower (PTO) farms	29 681	1 499	7 806	2 279	3 986	3 196
number	51 330	2 227	11 974	3 756	6 792	5 548
40 horsepower (PTO) or more farms	36 848	992	6 207	2 354	4 463	4 307
number	92 404	1 949	9 266	3 941	8 000	8 738
Grain and bean combines farms	20 160	329	1 772	1 059	2 023	2 370
number	23 587	349	1 923	1 147	2 259	2 663
Cottonpickers and strippers farms	-	-	-	-	-	-
number	-	-	-	-	-	-
Mower conditioners farms	19 528	264	2 808	1 046	2 245	2 373
number	21 051	269	3 026	1 251	2 352	2 486
Pickup balers farms	21 716	318	2 806	1 276	2 543	2 734
number	24 924	329	3 009	1 364	2 806	2 917
AGRICULTURAL CHEMICALS[1]						
Commercial fertilizer farms	37 282	753	6 525	2 528	4 580	4 378
acres on which used	5 300 902	2 353	100 074	70 746	175 560	250 045
Lime farms	6 799	90	865	324	554	724
acres on which used	301 302	268	10 609	4 792	10 629	20 319
tons	566 902	381	20 551	8 614	20 332	36 709
Sprays, dusts, granules, fumigants, etc., to control—						
Insects on hay and other crops farms	15 082	524	2 752	990	1 398	1 369
acres on which used	1 532 318	1 465	31 058	19 881	41 364	56 946
Nematodes in crops farms	2 132	50	342	127	169	119
acres on which used	205 371	81	4 013	2 520	4 551	3 306
Diseases in crops and orchards farms	5 320	324	1 545	440	530	502
acres on which used	336 227	938	15 051	8 871	14 713	23 265
Weeds, grass, or brush in crops and pasture farms	27 595	389	4 323	1 728	3 161	3 127
acres on which used	3 800 607	1 219	65 594	43 550	115 123	160 710
Chemicals for defoliation or for growth control of crops or thinning of fruit farms	2 204	80	378	156	234	224
acres on which used	118 970	153	3 374	2 021	5 390	7 636

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
LAND IN FARMS ACCORDING TO USE—Con.								
Pastureland and rangeland other than cropland and woodland pastured	farms	623	427	303	914	470	150	35
	acres	16 451	13 896	9 766	41 582	35 208	25 633	29 662
Land in house lots, ponds, roads, wasteland, etc.	farms	3 057	2 039	1 637	4 597	2 666	802	160
	acres	53 315	41 109	36 894	125 833	108 212	57 462	31 571
Cropland under federal acreage reduction programs:								
Annual commodity acreage adjustment programs	farms	1 550	1 308	1 093	3 780	2 791	982	187
	acres	28 336	28 602	29 345	152 391	229 878	164 633	69 016
Conservation reserve program	farms	98	67	69	157	112	56	11
	acres	4 108	2 483	2 827	8 106	7 018	5 115	2 280
Value of land and buildings[1]	farms	4 184	2 755	2 343	6 089	3 763	1 134	223
	$1,000	612 167	493 069	468 168	1 741 796	2 196 333	1 324 932	551 520
Average per farm	dollars	146 311	178 972	199 816	286 056	583 665	1 168 370	2 473 184
Average per acre	dollars	932	905	841	808	858	897	861
Farms by value group:								
$1 to $39,999		102	11	15	12	1	-	-
$40,000 to $69,999		439	264	82	108	3	-	-
$70,000 to $99,999		947	333	293	172	17	-	-
$100,000 to $149,999		1 238	632	485	684	53	-	-
$150,000 to $199,999		658	691	437	868	143	3	-
$200,000 to $499,999		733	729	963	3 663	1 566	96	2
$500,000 to $999,999		56	93	66	550	1 630	435	12
$1,000,000 to $1,999,999		9	2	2	27	314	507	90
$2,000,000 to $4,999,999		1	-	-	5	36	86	106
$5,000,000 or more		1	-	-	-	-	7	13
VALUE OF MACHINERY AND EQUIPMENT[1]								
Estimated market value of all machinery and equipment	farms	4 177	2 755	2 343	6 073	3 763	1 134	223
	$1,000	148 863	126 841	128 027	467 483	510 486	255 283	82 792
Farms by value group:								
$1 to $4,999		161	57	48	38	14	-	-
$5,000 to $9,999		659	177	115	238	18	6	1
$10,000 to $19,999		822	443	311	428	105	13	2
$20,000 to $49,999		1 424	1 105	810	1 541	419	40	7
$50,000 to $99,999		877	663	721	2 075	887	124	21
$100,000 to $199,999		203	272	271	1 394	1 477	366	36
$200,000 to $499,999		30	37	66	345	792	510	100
$500,000 or more		1	1	1	14	51	75	56
SELECTED MACHINERY AND EQUIPMENT[1]								
Motortrucks, including pickups	farms	3 551	2 503	2 124	5 756	3 653	1 120	220
	number	5 687	4 259	3 757	11 933	10 814	5 213	1 507
Wheel tractors	farms	4 051	2 656	2 233	5 938	3 688	1 120	222
	number	12 256	9 063	7 894	24 245	18 974	7 112	1 999
Less than 40 horsepower (PTO)	farms	2 481	1 577	1 335	3 165	1 764	489	104
	number	4 444	2 945	2 546	5 989	3 618	1 180	311
40 horsepower (PTO) or more	farms	3 449	2 434	2 054	5 650	3 590	1 096	212
	number	7 812	6 118	5 348	18 256	15 356	5 932	1 688
Grain and bean combines	farms	1 732	1 467	1 355	3 883	2 990	980	200
	number	1 989	1 678	1 632	4 809	3 689	1 325	324
Cottonpickers and strippers	farms	-	-	-	-	-	-	-
	number	-	-	-	-	-	-	-
Mower conditioners	farms	1 850	1 411	1 213	3 586	2 070	550	112
	number	1 919	1 462	1 308	3 803	2 330	706	139
Pickup balers	farms	2 220	1 566	1 395	3 941	2 212	594	111
	number	2 428	1 769	1 634	4 857	2 876	780	155
AGRICULTURAL CHEMICALS[1]								
Commercial fertilizer	farms	3 373	2 431	2 114	5 648	3 627	1 106	219
	acres on which used	257 109	231 830	276 272	1 070 677	1 530 853	938 491	396 892
Lime	farms	600	397	389	1 358	1 092	333	73
	acres on which used	15 662	11 926	16 623	61 381	85 419	44 430	19 244
	tons	26 744	21 725	29 175	122 497	159 664	80 585	39 925
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops	farms	1 101	895	953	2 239	2 031	680	150
	acres on which used	54 439	61 326	75 709	256 224	479 006	306 018	148 882
Nematodes in crops	farms	127	106	175	425	356	111	25
	acres on which used	5 015	5 498	10 253	40 265	64 989	40 651	24 229
Diseases in crops and orchards	farms	347	240	212	564	451	139	26
	acres on which used	16 198	16 975	14 342	60 463	90 589	49 739	25 063
Weeds, grass, or brush in crops and pasture	farms	2 536	1 925	1 657	4 534	3 067	962	186
	acres on which used	177 995	159 968	185 752	739 771	1 105 242	721 063	324 620
Chemicals for defoliation or for growth control of crops or thinning of fruit	farms	199	124	142	306	262	81	18
	acres on which used	5 671	5 332	5 908	19 114	34 132	23 101	7 138

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
TENURE AND RACE OF OPERATOR							
All operators		51 172	2 866	12 174	3 667	6 467	5 478
Full owners		31 186	2 490	9 896	2 680	4 916	3 611
Part owners		16 903	143	1 518	736	1 158	1 513
Tenants		3 083	233	760	251	393	354
White		50 880	2 838	12 041	3 646	6 437	5 456
Full owners		30 964	2 464	9 783	2 663	4 895	3 596
Part owners		16 843	143	1 502	732	1 150	1 506
Tenants		3 073	231	756	251	392	354
Black and other races		292	28	133	21	30	22
Full owners		222	26	113	17	21	15
Part owners		60	-	16	4	8	7
Tenants		10	2	4	-	1	-
OWNED AND RENTED LAND							
Land owned	farms	48 162	2 634	11 442	3 422	6 083	5 137
	acres	7 097 326	46 447	374 772	209 871	490 049	558 558
Owned land in farms	farms	48 089	2 633	11 414	3 416	6 074	5 124
	acres	6 754 515	9 921	296 802	176 541	454 195	518 524
Land rented or leased from others	farms	20 096	398	2 305	993	1 561	1 882
	acres	3 587 514	5 538	47 076	36 123	77 386	122 597
Rented or leased land in farms	farms	19 986	376	2 278	987	1 551	1 867
	acres	3 562 346	1 389	44 638	35 423	73 880	121 014
Land rented or leased to others	farms	5 571	492	1 829	645	654	615
	acres	367 979	40 675	80 408	32 030	39 360	41 617
OPERATOR CHARACTERISTICS							
Operators by place of residence:							
On farm operated		41 967	1 991	9 640	2 903	5 187	4 530
Not on farm operated		6 332	539	1 810	581	929	693
Not reported		2 873	336	724	183	351	255
Operators by principal occupation:							
Farming		26 112	929	3 310	1 277	2 634	2 678
Other		25 060	1 937	8 864	2 390	3 833	2 800
Operators by days of work off farm:							
None		19 384	744	2 800	983	2 031	1 934
Any		29 155	1 974	8 901	2 502	4 113	3 255
1 to 99 days		4 058	187	709	213	432	463
100 to 199 days		4 279	243	1 057	328	580	497
200 days or more		20 818	1 544	7 135	1 961	3 101	2 295
Not reported		2 633	148	473	182	323	289
Operators by years on present farm:							
2 years or less		2 061	273	748	197	262	176
3 or 4 years		2 996	348	1 206	256	362	244
5 to 9 years		7 171	635	2 532	553	885	694
10 years or more		30 863	948	5 864	2 126	3 941	3 519
Average years on present farm		20.0	11.7	14.5	18.0	20.3	22.0
Not reported		8 081	662	1 824	535	1 017	845
Operators by age group:							
Under 25 years		829	110	216	60	109	76
25 to 34 years		6 206	602	1 618	422	663	623
35 to 44 years		11 098	773	3 213	800	1 238	963
45 to 49 years		6 142	319	1 637	445	702	577
50 to 54 years		5 792	274	1 304	433	706	598
55 to 59 years		5 944	209	1 200	374	790	640
60 to 64 years		5 649	190	1 039	383	749	681
65 to 69 years		4 355	177	795	337	667	567
70 years and over		5 157	212	1 152	413	843	753
Average age		50.9	45.8	49.1	51.2	52.7	53.0
Operators by sex:							
Male		48 458	2 564	11 114	3 433	6 132	5 261
Female		2 714	302	1 060	234	335	217
Operators of Spanish origin (see text)		122	7	41	7	15	16
FARMS BY TYPE OF ORGANIZATION							
Individual or family (sole proprietorship)	farms	45 166	2 482	11 316	3 420	6 010	5 044
	acres	7 848 652	9 937	317 981	188 563	490 068	588 867
Partnership	farms	4 662	236	617	188	382	344
	acres	1 851 919	814	17 556	10 963	31 600	40 089
Corporation:							
Family held	farms	1 056	113	173	42	48	60
	acres	518 500	433	4 250	2 489	3 936	7 070
More than 10 stockholders	farms	14	-	1	-	-	-
10 or less stockholders	farms	1 042	113	172	42	48	60
Other than family held	farms	111	19	24	4	12	10
	acres	39 206	78	559	216	991	1 183
More than 10 stockholders	farms	12	3	2	-	1	1
10 or less stockholders	farms	99	16	22	4	11	9
Other—cooperative, estate or trust, institutional, etc.	farms	177	16	44	13	15	20
	acres	58 584	48	1 094	733	1 260	2 329

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
TENURE AND RACE OF OPERATOR								
All operators		4 167	2 833	2 222	6 274	3 667	1 134	223
Full owners		2 511	1 449	1 011	1 895	577	118	32
Part owners		1 407	1 203	1 111	4 045	2 939	957	173
Tenants		249	181	100	334	151	59	18
White		4 140	2 826	2 216	6 266	3 659	1 133	222
Full owners		2 491	1 445	1 008	1 892	577	118	32
Part owners		1 400	1 200	1 109	4 040	2 933	956	172
Tenants		249	181	99	334	149	59	18
Black and other races		27	7	6	8	8	1	1
Full owners		20	4	3	3	-	-	-
Part owners		7	3	2	5	6	1	1
Tenants		-	-	1	-	2	-	-
OWNED AND RENTED LAND								
Land owned	farms	3 924	2 656	2 124	5 943	3 517	1 075	205
	acres	547 037	431 665	400 306	1 492 250	1 454 395	754 873	337 103
Owned land in farms	farms	3 918	2 652	2 122	5 940	3 516	1 075	205
	acres	519 432	417 811	391 362	1 459 781	1 437 861	738 844	331 441
Land rented or leased from others	farms	1 663	1 386	1 216	4 389	3 094	1 017	192
	acres	137 221	140 873	137 920	769 352	1 059 485	743 576	310 367
Rented or leased land in farms	farms	1 656	1 384	1 211	4 379	3 090	1 016	191
	acres	136 541	140 440	136 682	767 442	1 056 801	738 964	309 132
Land rented or leased to others	farms	367	227	150	352	160	68	12
	acres	28 285	14 287	10 182	34 379	19 218	20 641	6 897
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated		3 478	2 418	1 954	5 502	3 236	957	171
Not on farm operated		478	279	187	479	245	87	25
Not reported		211	136	81	293	186	90	27
Operators by principal occupation:								
Farming		2 424	1 816	1 539	4 953	3 275	1 068	209
Other		1 743	1 017	683	1 321	392	66	14
Operators by days of work off farm:								
None		1 705	1 283	1 081	3 435	2 405	806	177
Any		2 204	1 375	1 024	2 451	1 068	251	37
1 to 99 days		325	248	189	676	455	143	18
100 to 199 days		382	249	195	476	229	38	5
200 days or more		1 497	878	640	1 299	384	70	14
Not reported		258	175	117	388	194	77	9
Operators by years on present farm:								
2 years or less		130	59	55	101	37	20	3
3 or 4 years		167	103	76	142	69	16	7
5 to 9 years		442	308	227	558	277	49	11
10 years or more		2 771	1 923	1 546	4 546	2 714	809	156
Average years on present farm		23.8	24.2	23.8	24.1	24.4	24.9	25.7
Not reported		657	440	318	927	570	240	46
Operators by age group:								
Under 25 years		64	43	31	76	32	11	1
25 to 34 years		426	318	276	719	414	103	22
35 to 44 years		697	502	408	1 301	854	300	49
45 to 49 years		484	304	232	723	500	188	31
50 to 54 years		435	326	242	781	529	138	26
55 to 59 years		494	334	290	872	531	170	40
60 to 64 years		529	354	298	822	447	129	28
65 to 69 years		452	307	223	538	217	59	16
70 years and over		586	345	222	442	143	38	10
Average age		53.4	52.7	51.9	50.9	49.3	49.0	50.6
Operators by sex:								
Male		3 999	2 745	2 172	6 089	3 608	1 121	220
Female		168	88	50	185	59	13	3
Operators of Spanish origin (see text)		11	4	5	7	8	1	-
FARMS BY TYPE OF ORGANIZATION								
Individual or family (sole proprietorship)	farms	3 777	2 545	1 963	5 265	2 600	659	85
	acres	594 298	501 192	466 639	1 857 044	1 752 018	843 753	227 272
Partnership	farms	316	239	225	833	850	339	93
	acres	49 917	47 479	53 396	306 497	588 126	446 115	259 167
Corporation:								
Family held	farms	58	41	28	146	191	119	37
	acres	9 262	8 015	6 612	53 148	135 069	166 077	122 139
More than 10 stockholders	farms	-	-	-	2	4	6	1
10 or less stockholders	farms	58	41	28	144	187	113	36
Other than family held	farms	7	2	1	5	14	11	2
	acres	1 112	(D)	(D)	1 570	11 259	13 765	(D)
More than 10 stockholders	farms	-	-	-	1	1	2	1
10 or less stockholders	farms	7	2	1	4	13	9	1
Other—cooperative, estate or trust, institutional, etc.	farms	9	6	5	25	12	6	6
	acres	1 364	(D)	(D)	8 964	8 190	8 098	(D)

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
FARMS BY SIZE						
1 to 9 acres	2 866	2 866	-	-	-	-
10 to 49 acres	12 174	-	12 174	-	-	-
50 to 69 acres	3 667	-	-	3 667	-	-
70 to 99 acres	6 467	-	-	-	6 467	-
100 to 139 acres	5 478	-	-	-	-	5 478
140 to 179 acres	4 167	-	-	-	-	-
180 to 219 acres	2 833	-	-	-	-	-
220 to 259 acres	2 222	-	-	-	-	-
260 to 499 acres	6 274	-	-	-	-	-
500 to 999 acres	3 667	-	-	-	-	-
1,000 to 1,999 acres	1 134	-	-	-	-	-
2,000 acres or more	223	-	-	-	-	-
FARMS BY STANDARD INDUSTRIAL CLASSIFICATION						
Cash grains (011)	15 745	113	2 556	1 137	2 252	2 084
Field crops, except cash grains (013)	5 654	49	1 570	522	889	744
Cotton (0131)	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-
Sugarcane and sugar beets, Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	5 654	49	1 570	522	889	744
Vegetables and melons (016)	1 758	148	636	161	225	140
Fruits and tree nuts (017)	3 307	252	1 215	326	392	314
Horticultural specialties (018)	1 311	409	553	81	85	53
General farms, primarily crop (019)	2 184	29	732	190	297	231
Livestock, except dairy, poultry, and animal specialties (021)	12 124	1 015	2 951	899	1 825	1 379
Beef cattle, except feedlots (0212)	4 605	304	986	348	811	565
Dairy farms (024)	5 199	113	145	68	218	339
Poultry and eggs (025)	455	97	162	40	36	32
Animal specialties (027)	2 931	631	1 506	221	214	111
General farms, primarily livestock and animal specialties (029)	504	10	88	22	33	51
LIVESTOCK						
Cattle and calves inventory ... farms	19 436	738	3 081	1 095	2 298	2 052
number	1 163 352	24 406	37 678	15 619	43 793	53 075
Farms with—						
1 to 9	5 321	413	2 027	543	780	537
10 to 49	7 897	242	980	524	1 381	1 276
50 to 99	2 904	52	50	21	108	196
100 to 199	2 045	14	9	5	25	40
200 to 499	1 078	12	10	1	3	1
500 or more	191	5	5	1	1	2
Cows and heifers that had calved ... farms	14 030	426	1 892	719	1 588	1 433
number	454 706	1 977	11 757	5 834	17 226	20 474
Beef cows ... farms	8 163	270	1 600	598	1 264	1 021
number	110 156	2 345	7 994	4 091	10 416	9 989
Farms with—						
1 to 9	4 691	208	1 413	464	851	603
10 to 49	3 136	54	187	134	408	413
50 to 99	257	5	-	-	4	4
100 to 199	61	3	-	-	1	1
200 to 499	16	-	-	-	-	-
500 or more	2	-	-	-	-	-
Milk cows ... farms	6 499	168	368	156	396	480
number	344 550	2 632	3 763	1 743	6 810	10 485
Farms with—						
1 to 4	719	59	204	68	122	74
5 to 9	241	27	41	18	42	46
10 to 49	2 874	72	107	68	205	318
50 to 99	1 724	6	13	1	24	38
100 to 199	791	4	3	1	2	4
200 to 499	141	-	-	-	1	-
500 or more	9	-	-	-	-	-
Heifers and heifer calves ... farms	13 710	411	1 735	679	1 539	1 429
number	372 907	6 173	8 451	3 747	11 365	16 226
Steers, steer calves, bulls, and bull calves ... farms	15 610	514	2 239	858	1 897	1 743
number	335 739	13 256	17 470	6 038	15 202	16 375
Cattle and calves sold ... farms	18 164	660	2 468	946	2 114	1 937
number	653 806	33 489	35 403	11 770	26 063	28 211
$1,000	320 270	17 815	15 170	5 069	10 925	11 845
Calves ... farms	8 447	270	865	364	878	825
number	183 302	10 173	20 853	4 533	9 923	10 144
$1,000	34 569	3 010	7 340	1 288	2 481	2 103
Cattle ... farms	16 208	549	2 129	822	1 847	1 691
number	470 504	23 316	14 550	7 237	16 140	18 067
$1,000	285 702	14 805	7 830	3 781	8 444	9 742
Fattened on grain and concentrates ... farms	7 067	274	1 184	435	831	766
number	281 874	20 357	8 117	4 456	7 217	8 523
$1,000	187 767	13 367	4 804	2 404	4 260	5 124

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
FARMS BY SIZE							
1 to 9 acres	-	-	-	-	-	-	-
10 to 49 acres	-	-	-	-	-	-	-
50 to 69 acres	-	-	-	-	-	-	-
70 to 99 acres	-	-	-	-	-	-	-
100 to 139 acres	-	-	-	-	-	-	-
140 to 179 acres	4 167	-	-	-	-	-	-
180 to 219 acres	-	2 833	-	-	-	-	-
220 to 259 acres	-	-	2 222	-	-	-	-
260 to 499 acres	-	-	-	6 274	-	-	-
500 to 999 acres	-	-	-	-	3 667	-	-
1,000 to 1,999 acres	-	-	-	-	-	1 134	-
2,000 acres or more	-	-	-	-	-	-	223
FARMS BY STANDARD INDUSTRIAL CLASSIFICATION							
Cash grains (011)	1 546	1 063	797	2 156	1 400	528	113
Field crops, except cash grains (013)	521	283	224	485	255	92	20
Cotton (0131)	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	521	283	224	485	255	92	20
Vegetables and melons (016)	93	74	48	118	84	26	4
Fruits and tree nuts (017)	229	149	95	215	100	16	4
Horticultural specialties (018)	31	13	15	43	18	9	1
General farms, primarily crop (019)	152	98	66	215	119	45	10
Livestock, except dairy, poultry, and animal specialties (021)	1 009	624	499	1 202	525	158	38
Beef cattle, except feedlots (0212)	450	257	199	487	154	36	8
Dairy farms (024)	465	446	433	1 680	1 059	212	21
Poultry and eggs (025)	16	19	7	22	16	5	3
Animal specialties (027)	76	38	19	39	7	7	2
General farms, primarily livestock and animal specialties (029)	29	26	19	99	84	36	7
LIVESTOCK							
Cattle and calves inventory ... farms	1 839	1 304	1 103	3 413	1 934	485	94
number	60 842	60 368	57 691	288 047	315 826	141 100	64 907
Farms with—							
1 to 9	359	174	116	262	96	13	1
10 to 49	1 068	692	508	925	257	37	7
50 to 99	338	329	353	1 065	332	52	8
100 to 199	66	99	116	938	607	110	16
200 to 499	8	7	8	216	601	193	18
500 or more	-	3	2	7	41	80	44
Cows and heifers that had calved ... farms	1 376	1 012	881	2 717	1 563	365	58
number	26 542	24 821	26 159	127 046	129 628	46 262	13 980
Beef cows ... farms	851	522	428	990	467	123	29
number	10 336	7 545	6 853	22 550	16 903	7 115	4 019
Farms with—							
1 to 9	404	208	157	280	84	17	2
10 to 49	435	303	258	624	255	56	9
50 to 99	12	10	13	74	104	26	5
100 to 199	-	-	-	9	23	17	7
200 to 499	-	1	-	2	1	7	5
500 or more	-	-	-	1	-	-	1
Milk cows ... farms	583	526	491	1 844	1 185	267	35
number	16 206	17 276	19 306	104 496	112 725	39 147	9 961
Farms with—							
1 to 4	64	36	31	44	13	3	1
5 to 9	19	24	9	11	4	-	-
10 to 49	438	376	312	790	169	17	2
50 to 99	54	83	131	816	487	65	6
100 to 199	8	5	7	174	459	118	6
200 to 499	-	2	1	9	53	62	13
500 or more	-	-	-	-	-	2	7
Heifers and heifer calves ... farms	1 367	907	833	2 727	1 561	367	65
number	18 732	18 600	18 985	100 760	111 484	42 110	16 274
Steers, steer calves, bulls, and bull calves ... farms	1 519	1 061	871	2 789	1 610	425	84
number	15 568	16 947	12 547	60 241	74 714	52 728	34 653
Cattle and calves sold ... farms	1 760	1 288	1 087	3 383	1 936	492	93
number	27 931	26 359	35 799	127 322	146 970	88 595	65 894
$1,000	11 620	11 494	11 304	54 589	73 121	53 430	43 888
Calves ... farms	824	629	589	1 895	1 063	214	31
number	9 260	7 846	19 119	42 682	35 693	10 829	2 247
$1,000	1 521	1 170	2 348	6 711	4 809	1 577	210
Cattle ... farms	1 569	1 155	962	3 108	1 794	471	91
number	18 671	18 513	16 680	84 640	111 277	77 766	63 647
$1,000	10 099	10 324	8 956	47 878	68 312	51 853	43 678
Fattened on grain and concentrates ... farms	666	469	366	1 069	706	244	53
number	8 000	9 341	6 488	32 555	64 241	56 861	55 718
$1,000	4 782	5 701	3 809	21 514	43 255	40 113	38 632

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
LIVESTOCK—Con.							
Hogs and pigs inventory	farms	5 577	426	1 132	315	651	585
	number	1 227 069	75 166	95 407	19 058	61 569	76 043
Farms with—							
1 to 24		2 249	202	706	181	309	234
25 to 49		680	47	152	46	108	84
50 to 99		717	61	113	39	84	90
100 to 199		635	36	81	25	78	79
200 to 499		660	45	49	18	48	63
500 or more		636	35	31	6	24	35
Used or to be used for breeding	farms	3 523	252	655	186	408	373
	number	183 586	10 275	14 884	3 315	9 889	13 229
Other	farms	5 176	391	1 014	290	591	544
	number	1 043 483	64 891	80 523	15 743	51 680	62 814
Hogs and pigs sold	farms	5 603	463	1 091	326	636	571
	number	2 215 872	161 184	187 438	43 138	101 697	154 393
	$1,000	226 148	13 378	17 032	3 862	9 419	14 582
Feeder pigs	farms	1 575	159	380	93	205	173
	number	468 706	67 919	71 631	16 697	37 194	49 122
	$1,000	21 840	2 686	3 471	735	1 728	2 406
Litters of pigs farrowed between—							
Dec. 1 of preceding year and Nov. 30	farms	3 714	280	695	200	429	391
	number	252 915	15 597	21 574	5 055	12 981	17 123
Dec. 1 and May 31	farms	3 312	258	626	180	372	335
	number	123 621	7 645	10 711	2 508	6 370	8 633
June 1 and Nov. 30	farms	3 316	247	506	174	362	356
	number	129 294	7 952	10 863	2 547	6 611	8 490
Sheep and lambs of all ages inventory	farms	2 057	138	572	142	274	201
	number	101 330	3 472	15 945	4 804	9 194	9 342
Ewes 1 year old or older	farms	1 857	118	507	129	251	183
	number	62 036	2 416	10 645	3 245	6 161	5 748
Sheep and lambs sold	farms	1 979	135	534	128	263	191
	number	77 152	2 982	13 144	3 680	7 596	8 174
Sheep and lambs shorn	farms	1 826	115	482	122	251	185
	number	88 134	2 736	13 425	4 037	7 930	8 919
	pounds of wool	655 169	20 650	100 959	29 739	63 095	64 800
Horses and ponies inventory	farms	9 065	630	3 446	762	1 152	815
	number	56 836	3 650	21 653	5 026	7 350	5 058
Horses and ponies sold	farms	2 403	256	1 118	197	265	181
	number	7 645	615	3 121	693	839	630
Goats inventory	farms	1 234	96	459	109	173	129
	number	21 405	998	5 568	2 056	2 726	2 014
Goats sold	farms	469	46	181	42	71	44
	number	9 252	792	2 397	849	1 633	1 174
POULTRY							
Chickens 3 months old or older inventory	farms	3 550	252	1 150	283	544	376
	number	8 428 623	733 431	1 627 067	407 220	375 429	252 916
Farms with—							
1 to 399		3 378	225	1 129	274	530	359
400 to 3,199		35	3	8	1	1	7
3,200 to 9,999		37	5	4	-	6	4
10,000 to 19,999		29	8	2	5	2	-
20,000 to 49,999		35	4	1	1	2	5
50,000 to 99,999		20	7	1	1	3	1
100,000 or more		16	-	5	1	-	-
Hens and pullets of laying age	farms	3 490	248	1 126	279	538	368
	number	7 152 993	610 337	1 538 845	273 139	315 961	185 654
Pullets 3 months old or older not of laying age	farms	480	42	169	45	57	51
	number	1 275 630	123 094	88 222	134 081	59 468	67 262
Hens and pullets sold	farms	587	79	182	53	55	59
	number	6 611 462	764 510	985 458	377 081	584 853	516 068
Broilers and other meat-type chickens sold	farms	495	49	161	47	54	47
	number	702 431	42 248	170 070	101 142	99 518	104 968
Farms with—							
1 to 1,999		482	47	158	44	53	46
2,000 to 59,999		8	2	2	2	-	-
60,000 to 99,999		2	-	-	1	1	-
100,000 or more		3	-	1	-	-	1
Turkey hens kept for breeding	farms	169	12	62	9	24	16
	number	60 229	34 631	6 549	39	85	8 452
Turkeys sold	farms	281	34	115	18	27	22
	number	2 906 878	561 330	352 198	38 719	16 977	23 568

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
LIVESTOCK—Con.								
Hogs and pigs inventory	farms	435	313	267	778	501	145	29
	number	66 612	55 882	56 653	242 005	279 413	136 304	62 977
Farms with—								
1 to 24		166	100	68	189	76	15	3
25 to 49		61	36	35	64	38	9	-
50 to 99		61	50	45	111	49	11	3
100 to 199		62	46	40	115	61	10	2
200 to 499		51	44	51	160	98	27	6
500 or more		34	37	28	139	179	73	15
Used or to be used for breeding	farms	271	214	189	511	346	94	24
	number	10 341	9 293	8 045	33 798	40 996	19 557	9 964
Other	farms	410	282	253	748	485	143	25
	number	56 271	46 569	48 608	208 207	238 417	116 747	53 013
Hogs and pigs sold	farms	422	313	283	797	517	151	33
	number	119 369	102 972	108 147	422 420	469 803	234 823	110 468
	$1,000	11 296	9 545	10 556	44 633	51 857	27 330	12 658
Feeder pigs	farms	100	86	66	181	103	21	8
	number	36 443	35 431	25 921	65 378	51 501	6 124	5 345
	$1,000	1 768	1 712	1 184	3 127	2 494	221	309
Litters of pigs farrowed between—								
Dec. 1 of preceding year and Nov. 30	farms	286	221	206	529	355	98	24
	number	14 663	13 093	12 474	47 930	53 850	25 596	12 979
Dec. 1 and May 31	farms	251	195	185	475	320	91	24
	number	7 435	6 315	6 018	24 938	25 417	12 478	5 153
June 1 and Nov. 30	farms	256	197	190	484	339	91	24
	number	7 228	6 778	6 456	22 992	28 433	13 118	7 626
Sheep and lambs of all ages inventory	farms	180	110	84	207	116	25	8
	number	7 689	7 312	3 388	21 523	12 048	5 743	870
Ewes 1 year old or older	farms	'61	104	77	190	110	20	7
	number	4 996	4 432	2 217	12 013	6 741	(D)	(D)
Sheep and lambs sold	farms	166	106	86	211	127	24	8
	number	6 087	4 328	2 194	17 255	7 074	4 137	501
Sheep and lambs shorn	farms	158	104	76	194	111	21	7
	number	7 205	6 169	2 754	18 285	10 652	5 219	803
	pounds of wool	56 181	48 894	21 507	137 881	75 881	30 039	5 563
Horses and ponies inventory	farms	567	361	260	648	314	86	24
	number	3 499	2 283	1 348	4 118	1 748	787	316
Horses and ponies sold	farms	121	70	37	96	43	15	4
	number	538	194	180	462	144	86	163
Goats inventory	farms	84	32	29	71	41	8	3
	number	1 410	931	663	2 503	1 712	96	728
Goats sold	farms	25	14	5	22	17	1	1
	number	939	398	85	369	(D)	(D)	(D)
POULTRY								
Chickens 3 months old or older inventory	farms	286	150	106	272	96	28	7
	number	174 724	102 628	93 774	730 093	3 187 604	476 778	266 959
Farms with—								
1 to 399		272	143	100	250	74	19	3
400 to 3,199		5	2	1	2	4	1	-
3,200 to 9,999		2	2	2	4	6	2	-
10,000 to 19,999		5	1	-	3	-	1	2
20,000 to 49,999		1	2	3	8	5	3	-
50,000 to 99,999		1	-	-	3	2	-	1
100,000 or more		-	-	-	2	5	2	1
Hens and pullets of laying age	farms	283	146	105	267	96	27	7
	number	124 673	63 369	91 391	538 895	(D)	(D)	266 959
Pullets 3 months old or older not of laying age	farms	37	17	17	33	10	2	-
	number	50 051	39 259	2 383	191 198	(D)	(D)	-
Hens and pullets sold	farms	30	27	20	41	23	13	5
	number	131 643	207 034	53 632	901 988	1 549 521	413 464	126 230
Broilers and other meat-type chickens sold	farms	37	19	15	44	12	8	2
	number	46 091	4 714	4 213	7 427	1 497	(D)	(D)
Farms with—								
1 to 1,999		36	19	14	44	12	8	1
2,000 to 59,999		1	-	1	-	-	-	-
60,000 to 99,999		-	-	-	-	-	-	-
100,000 or more		-	-	-	-	-	-	1
Turkey hens kept for breeding	farms	14	8	9	10	5	-	-
	number	67	18	25	10 108	55	-	-
Turkeys sold	farms	17	7	6	24	9	2	-
	number	48 443	391 159	129	252 240	(D)	(D)	-

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
CROPS HARVESTED						
Corn for grain or seed farms	25 140	157	2 734	1 351	2 935	3 015
acres	1 982 401	753	32 051	23 268	59 228	79 939
bushels	189 779 819	67 924	2 520 874	1 833 058	4 847 916	6 626 467
Irrigated farms	979	5	28	13	31	37
acres	134 704	14	306	199	1 069	1 671
Farms by acres harvested:						
1 to 24 acres	10 135	157	2 486	1 064	2 095	1 691
25 to 99 acres	9 569	-	248	287	840	1 297
100 to 249 acres	3 689	-	-	-	-	27
250 to 499 acres	1 229	-	-	-	-	-
500 acres or more	518	-	-	-	-	-
Corn for silage or green chop farms	6 704	10	204	145	403	537
acres	294 323	25	1 835	1 627	6 257	8 992
tons, green	3 585 942	257	20 258	18 276	67 865	96 302
Irrigated farms	116	1	2	2	4	1
acres	5 807	(D)	(D)	(D)	106	(D)
Farms by acres harvested:						
1 to 24 acres	3 137	10	193	135	334	428
25 to 99 acres	2 850	-	11	10	69	108
100 to 249 acres	622	-	-	-	-	1
250 to 499 acres	75	-	-	-	-	-
500 acres or more	20	-	-	-	-	-
Wheat for grain farms	10 327	18	565	360	963	1 106
acres	356 073	83	5 243	4 420	12 362	16 990
bushels	16 465 394	3 911	217 957	181 388	534 616	749 173
Irrigated farms	80	-	2	2	1	6
acres	5 851	-	(D)	(D)	(D)	73
Farms by acres harvested:						
1 to 24 acres	5 899	18	542	325	886	961
25 to 99 acres	3 776	-	23	35	77	144
100 to 249 acres	583	-	-	-	-	1
250 to 499 acres	58	-	-	-	-	-
500 acres or more	11	-	-	-	-	-
Oats for grain farms	11 392	18	773	480	1 202	1 422
acres	259 445	58	6 477	4 823	13 811	19 202
bushels	14 634 547	2 896	296 577	241 650	689 509	980 880
Irrigated farms	45	-	6	2	3	7
acres	1 003	-	51	(D)	31	119
Soybeans for beans farms	12 734	52	1 451	725	1 532	1 525
acres	1 023 599	339	23 648	18 450	47 540	62 603
bushels	36 267 622	11 674	724 285	576 667	1 516 044	2 008 015
Irrigated farms	321	-	8	6	11	20
acres	24 078	-	75	130	225	585
Farms by acres harvested:						
1 to 24 acres	3 797	52	1 157	395	666	478
25 to 99 acres	5 907	-	294	330	866	973
100 to 249 acres	2 220	-	-	-	-	74
250 to 499 acres	621	-	-	-	-	-
500 acres or more	189	-	-	-	-	-
Dry edible beans, excluding dry limas farms	4 098	12	233	144	350	396
acres	383 687	43	3 724	3 216	9 467	13 019
cwt	4 931 689	473	46 792	41 152	116 163	162 709
Irrigated farms	113	1	6	4	2	1
acres	12 318	(D)	59	64	(D)	(D)
Farms by acres harvested:						
1 to 24 acres	1 034	12	190	93	182	166
25 to 99 acres	1 802	-	43	51	168	229
100 to 249 acres	912	-	-	-	-	1
250 to 499 acres	290	-	-	-	-	-
500 acres or more	60	-	-	-	-	-
Irish potatoes farms	564	8	89	26	46	49
acres	44 105	6	437	137	734	781
cwt	10 109 515	689	72 019	20 590	94 896	168 016
Irrigated farms	230	4	23	5	12	7
acres	23 866	3	192	38	135	109
Farms by acres harvested:						
0.1 to 4.9 acres	204	8	70	19	25	22
5.0 to 24.9 acres	73	-	13	6	7	16
25.0 to 99.9 acres	125	-	6	1	14	10
100.0 to 249.9 acres	116	-	-	-	-	1
250.0 acres or more	46	-	-	-	-	-
Sugar beets for sugar farms	1 435	1	63	44	70	90
acres	138 623	(D)	(D)	1 000	1 470	2 254
tons	2 759 381	(D)	(D)	19 475	30 139	43 145
Irrigated farms	40	-	3	1	3	1
acres	1 877	-	73	(D)	42	(D)
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) farms	25 983	226	4 776	1 783	3 448	3 057
acres	1 436 630	1 032	59 405	34 454	82 290	94 865
tons, dry	3 323 175	2 217	110 661	66 362	152 992	188 257
Irrigated farms	246	3	22	6	15	21
acres	11 710	10	220	58	293	500

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
CROPS HARVESTED							
Corn for grain or seed .... farms..	2 460	1 844	1 536	4 750	3 142	1 015	201
acres..	83 511	77 396	80 096	387 134	572 600	399 434	186 991
bushels..	7 216 103	6 696 372	7 148 886	35 933 622	56 054 305	40 529 037	20 305 255
Irrigated .... farms..	46	38	45	204	328	169	35
acres..	2 103	1 811	2 842	17 799	50 502	34 649	21 739
Farms by acres harvested:							
1 to 24 acres	1 009	604	330	583	107	6	3
25 to 99 acres	1 390	1 143	1 039	2 654	625	44	2
100 to 249 acres	61	97	167	1 431	1 691	207	8
250 to 499 acres	-	-	-	82	648	477	22
500 acres or more	-	-	-	-	71	281	166
Corn for silage or green chop .... farms..	608	555	550	2 014	1 290	326	62
acres..	12 323	13 234	16 309	84 799	92 067	39 787	17 068
tons, green..	136 331	152 732	184 416	980 269	1 140 667	524 984	263 585
Irrigated .... farms..	4	2	4	26	49	15	6
acres..	108	(D)	90	966	2 433	1 090	862
Farms by acres harvested:							
1 to 24 acres	435	350	294	707	215	33	3
25 to 99 acres	171	201	243	1 150	744	127	16
100 to 249 acres	2	4	13	153	300	128	21
250 to 499 acres	-	-	-	4	29	31	11
500 acres or more	-	-	-	-	2	7	11
Wheat for grain .... farms..	975	788	679	2 251	1 819	667	136
acres..	17 281	16 564	15 985	70 758	101 747	67 074	27 566
bushels..	731 688	732 270	706 202	3 211 411	4 835 628	3 224 869	336 281
Irrigated .... farms..	3	-	6	10	33	14	3
acres..	70	-	221	225	1 839	1 220	2 149
Farms by acres harvested:							
1 to 24 acres	783	529	432	1 014	365	42	2
25 to 99 acres	192	259	244	1 203	1 229	341	29
100 to 249 acres	-	-	3	33	220	255	71
250 to 499 acres	-	-	-	1	4	29	24
500 acres or more	-	-	-	-	1	-	10
Oats for grain .... farms..	1 278	935	800	2 527	1 483	405	69
acres..	21 105	16 854	16 934	66 835	59 270	26 440	7 636
bushels..	1 128 749	947 584	927 819	3 727 308	3 606 232	1 645 655	439 688
Irrigated .... farms..	1	1	4	7	8	3	3
acres..	(D)	(D)	38	159	284	155	35
Soybeans for beans .... farms..	1 199	895	711	2 251	1 646	614	133
acres..	57 899	51 275	47 582	204 744	266 969	177 361	65 189
bushels..	1 903 230	1 695 317	1 667 662	7 084 709	9 821 387	6 710 118	2 548 514
Irrigated .... farms..	21	14	13	67	104	45	12
acres..	672	427	522	3 991	9 472	5 187	2 792
Farms by acres harvested:							
1 to 24 acres	333	205	143	284	72	10	2
25 to 99 acres	766	549	400	1 119	501	99	10
100 to 249 acres	100	141	167	787	718	206	27
250 to 499 acres	-	-	1	61	322	197	40
500 acres or more	-	-	-	-	33	102	54
Dry edible beans, excluding dry limas .... farms..	360	285	276	864	771	327	80
acres..	15 204	14 774	16 423	73 576	113 726	85 173	35 342
cwt..	211 571	195 213	205 951	954 466	1 419 581	1 081 238	496 290
Irrigated .... farms..	5	3	2	22	35	26	6
acres..	130	40	(D)	1 158	3 870	5 566	1 246
Farms by acres harvested:							
1 to 24 acres	103	63	50	120	46	6	3
25 to 99 acres	241	195	176	413	235	43	8
100 to 249 acres	16	27	50	326	366	111	15
250 to 499 acres	-	-	-	5	122	137	26
500 acres or more	-	-	-	-	2	30	28
Irish potatoes .... farms..	39	31	17	97	108	48	6
acres..	1 197	1 395	517	7 978	14 290	12 851	3 781
cwt..	269 510	240 713	104 449	1 716 184	3 355 537	3 212 910	864 000
Irrigated .... farms..	11	12	7	41	69	34	5
acres..	524	708	367	3 555	7 858	7 733	2 554
Farms by acres harvested:							
0.1 to 4.9 acres	20	8	3	20	9	-	-
5.0 to 24.9 acres	3	8	7	9	4	-	-
25.0 to 99.9 acres	11	11	6	32	30	3	1
100.0 to 249.9 acres	5	4	1	33	47	24	1
250.0 acres or more	-	-	-	3	18	21	4
Sugar beets for sugar .... farms..	101	89	79	330	343	184	41
acres..	3 093	3 485	3 296	21 488	42 001	41 486	18 035
tons..	62 570	69 003	66 556	430 990	829 561	824 721	361 459
Irrigated .... farms..	2	4	3	8	8	5	2
acres..	(D)	97	99	499	616	237	(D)
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ... farms..	2 499	1 767	1 421	4 040	2 276	584	104
acres..	103 409	87 774	87 246	378 570	345 635	129 240	32 710
tons, dry..	207 099	184 698	197 488	885 208	894 746	335 614	97 833
Irrigated .... farms..	11	11	13	43	69	25	7
acres..	576	230	798	1 972	4 435	1 580	1 040

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
CROPS HARVESTED—Con.						
Hay—alfalfa, other tame, small grain, wild, **grass silage**, green chop, etc. (see text) —Con.						
Farms by acres harvested:						
1 to 24 acres	12 059	228	4 340	1 276	2 086	1 443
25 to 99 acres	9 703	-	435	503	1 354	1 554
100 to 249 acres	3 358	-	1	4	8	60
250 to 499 acres	740	-	-	-	-	-
500 acres or more	123	-	-	-	-	-
Alfalfa hay .... farms	22 439	187	4 014	1 527	2 914	2 613
acres	971 083	878	46 858	26 923	62 199	71 816
tons, dry	2 499 478	2 009	93 307	55 593	124 791	154 308
Irrigated .... farms	195	2	15	4	12	18
acres	7 561	(D)	(D)	47	187	373
Vegetables harvested for sale (see text) .... farms	3 267	197	931	285	354	283
acres	139 145	621	8 094	3 779	7 270	7 556
Irrigated .... farms	908	51	231	78	92	84
acres	53 780	123	1 830	1 212	2 057	3 020
Farms by acres harvested:						
0.1 to 4.9 acres	1 067	150	430	118	106	75
5.0 to 24.9 acres	1 122	47	422	115	140	107
25.0 to 99.9 acres	747	-	79	52	107	90
100.0 to 249.9 acres	235	-	-	-	1	11
250.0 acres or more	96	-	-	-	-	-
Snap beans harvested for sale .... farms	510	37	151	47	41	35
acres	21 198	16	424	94	532	128
Irrigated .... farms	154	12	43	18	7	10
acres	8 557	6	116	16	23	29
Land in orchards .... farms	3 791	240	1 228	350	445	378
acres	161 567	766	11 112	6 623	11 203	14 370
Irrigated .... farms	504	40	114	39	54	57
acres	17 815	103	723	510	885	1 322
Farms by bearing and nonbearing acres:						
0.1 to 4.9 acres	1 128	183	503	87	108	86
5.0 to 24.9 acres	1 261	57	633	150	142	95
25.0 to 99.9 acres	942	-	92	113	195	166
100.0 to 249.9 acres	365	-	-	-	-	31
250.0 acres or more	95	-	-	-	-	-
Apples .... farms	2 516	166	712	227	284	285
Bearing and nonbearing ... acres	73 244	397	4 623	2 814	4 534	6 269
pounds	918 227 402	1 625 713	31 213 905	21 035 693	45 089 355	65 055 280
Cherries, total (see text) .... farms	1 690	64	373	142	211	198
Bearing and nonbearing ... acres	59 741	83	2 529	2 140	4 181	5 020
pounds	254 177 979	212 557	6 340 947	7 303 052	16 133 372	18 303 639
Grapes (see text) .... farms	989	69	431	99	111	86
Bearing and nonbearing ... acres	11 932	184	2 611	871	1 420	1 380
Fresh weight ... pounds	103 130 824	1 444 193	18 191 173	6 318 321	12 528 439	11 316 070
Berries harvested for sale .... farms	1 427	101	566	140	178	120
acres	17 540	195	2 977	1 204	2 350	2 077
Irrigated .... farms	658	36	214	65	78	59
acres	8 483	74	1 039	544	1 039	925

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
CROPS HARVESTED—Con.								
Hay—**alfalfa**, other tame, small grain, wild, grass silage, green chop, etc. (see text)—Con.								
Farms by acres harvested:								
1 to 24 acres		858	518	301	632	299	72	6
25 to 99 acres		1 500	1 045	837	1 724	583	144	24
100 to 249 acres		140	203	277	1 543	951	147	24
250 to 499 acres		1	1	6	138	403	159	32
500 acres or more		-	-	-	3	40	62	18
Alfalfa hay	farms	2 153	1 576	1 247	3 577	2 014	525	92
	acres	76 582	64 916	61 698	249 017	212 236	77 783	20 177
	tons, dry	167 220	149 393	153 752	655 660	639 973	231 840	71 632
Irrigated	farms	11	9	13	34	52	20	5
	acres	451	175	516	1 397	2 299	1 036	929
Vegetables harvested for sale (see text)	farms	188	159	125	345	264	110	26
	acres	5 801	5 829	4 865	22 272	34 511	22 602	15 947
Irrigated	farms	46	35	40	89	101	50	11
	acres	1 914	1 710	1 459	6 730	13 053	10 525	10 147
Farms by acres harvested:								
0.1 to 4.9 acres		40	36	24	60	22	6	-
5.0 to 24.9 acres		71	49	42	76	38	12	3
25.0 to 99.9 acres		63	57	46	129	89	30	5
100.0 to 249.9 acres		14	17	13	67	70	33	9
250.0 acres or more		-	-	-	13	45	29	9
Snap beans harvested for sale	farms	31	19	15	48	54	25	7
	acres	760	188	593	2 761	4 936	4 976	5 790
Irrigated	farms	8	2	3	8	24	14	5
	acres	(D)	(D)	10	297	1 533	1 511	4 992
Land in orchards	farms	268	194	139	314	167	36	12
	acres	14 809	13 420	10 294	32 916	30 336	11 365	4 353
Irrigated	farms	37	32	24	57	39	9	2
	acres	1 101	1 365	1 207	3 940	3 174	(D)	(D)
Farms by bearing and nonbearing acres:								
0.1 to 4.9 acres		54	27	21	34	19	4	2
5.0 to 24.9 acres		59	28	18	48	22	7	2
25.0 to 99.9 acres		117	75	57	87	34	4	2
100.0 to 249.9 acres		58	64	42	118	43	7	2
250.0 acres or more		-	-	1	27	49	14	4
Apples	farms	202	147	102	246	129	28	8
Bearing and nonbearing	acres	6 221	6 478	4 470	16 254	15 081	4 752	1 351
	pounds	76 280 578	84 407 183	56 274 046	226 852 652	208 135 887	67 276 914	34 980 196
Cherries, total (see text)	farms	165	117	83	197	111	22	7
Bearing and nonbearing	acres	6 028	4 673	3 996	12 117	11 524	5 276	2 174
	pounds	25 530 533	21 996 519	17 891 484	58 202 388	48 345 180	23 915 808	11 002 500
Grapes (see text)	farms	57	39	23	46	21	4	3
Bearing and nonbearing	acres	1 145	958	716	981	1 039	246	381
Fresh weight	pounds	10 007 963	8 406 788	5 920 660	11 000 433	12 380 034	1 366 750	4 250 000
Berries harvested for sale	farms	84	49	41	92	38	13	5
	acres	1 814	1 303	707	1 930	2 326	139	519
Irrigated	farms	39	37	24	67	26	9	4
	acres	779	905	291	1 493	1 008	112	274

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[1] Data are based on a sample of farms.

[2] Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than $1,000.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$500,000 or more		$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999	$40,000 to $49,999
		$1,000,000 or more	Total				
FARMS AND LAND IN FARMS							
Farms .... number	51 172	155	588	1 469	4 339	4 322	1 477
percent	100.0	.3	1.1	2.9	8.5	8.4	2.9
Land in farms .... acres	10 316 861	224 516	729 263	1 204 173	2 329 164	1 479 708	394 011
Average size of farm .... acres	202	1 448	1 240	820	537	342	267
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD							
Total sales (see text) .... farms	51 172	155	588	1 469	4 339	4 322	1 477
$1,000	2 545 078	373 832	666 271	496 045	669 705	310 133	65 648
Average per farm .... dollars	49 736	2 411 820	1 133 114	337 675	154 346	71 757	44 447
Farms by value of sales:							
Less than $1,000 (see text)	6 578	-	-	-	-	-	-
$1,000 to $2,499	6 092	-	-	-	-	-	-
$2,500 to $4,999	6 774	-	-	-	-	-	-
$5,000 to $9,999	7 548	-	-	-	-	-	-
$10,000 to $19,999	6 617	-	-	-	-	-	-
$20,000 to $24,999	1 843	-	-	-	-	-	-
$25,000 to $39,999	3 525	-	-	-	-	-	-
$40,000 to $49,999	1 477	-	-	-	-	-	1 477
$50,000 to $99,999	4 322	-	-	-	-	4 322	-
$100,000 to $249,999	4 339	-	-	-	4 339	-	-
$250,000 to $499,999	1 469	-	-	1 469	-	-	-
$500,000 to $999,999	433	-	433	-	-	-	-
$1,000,000 or more	155	155	155	-	-	-	-
Grains .... farms	25 844	86	358	1 008	2 882	2 742	932
$1,000	578 016	14 965	58 557	96 483	166 779	94 910	23 387
Sales of $50,000 or more .... farms	2 952	50	227	544	1 244	937	-
$1,000	345 512	14 191	55 974	87 395	138 461	63 683	-
Corn for grain .... farms	19 196	64	285	816	2 326	2 250	758
$1,000	284 853	10 860	35 702	53 680	85 271	43 942	9 925
Wheat .... farms	10 011	42	208	590	1 609	1 455	434
$1,000	42 448	866	3 928	6 247	11 890	7 223	1 578
Soybeans .... farms	12 670	42	173	500	1 486	1 501	551
$1,000	172 983	1 860	10 931	22 949	48 251	30 355	8 747
Sorghum for grain .... farms	16	-	-	2	2	2	-
$1,000	40	-	-	(D)	(D)	(D)	-
Barley .... farms	658	2	15	50	135	110	24
$1,000	2 527	(D)	425	(D)	(D)	(D)	48
Oats .... farms	6 373	8	61	207	697	733	251
$1,000	12 767	(D)	459	1 108	2 885	1 869	600
Other grains .... farms	4 687	22	112	309	798	801	250
$1,000	62 389	1 278	7 111	11 926	17 886	11 061	2 488
Cotton and cottonseed .... farms	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-
Sales of $50,000 or more .... farms	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-
Tobacco .... farms	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-
Sales of $50,000 or more .... farms	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-
Hay, silage, and field seeds .... farms	11 876	17	77	219	675	788	276
$1,000	53 956	843	2 845	3 911	7 891	7 335	2 332
Sales of $50,000 or more .... farms	83	4	18	17	25	23	-
$1,000	7 516	707	2 118	1 835	2 192	1 371	-
Vegetables, sweet corn, and melons .... farms	3 267	20	106	213	368	382	129
$1,000	136 925	20 128	52 616	29 327	24 885	13 241	3 129
Sales of $50,000 or more .... farms	540	16	87	144	182	127	-
$1,000	109 985	20 059	52 185	28 042	21 398	8 361	-
Fruits, nuts, and berries .... farms	3 926	16	61	165	402	429	165
$1,000	183 847	13 456	31 247	38 606	45 262	23 128	5 792
Sales of $50,000 or more .... farms	795	12	50	136	322	287	-
$1,000	131 184	13 440	31 131	36 182	43 836	20 035	-
Nursery and greenhouse crops .... farms	1 543	32	92	107	207	183	56
$1,000	215 912	99 906	135 904	30 908	27 744	10 225	2 001
Sales of $50,000 or more .... farms	507	31	89	100	182	138	-
$1,000	203 169	(D)	135 869	30 744	27 321	9 235	-
Other crops .... farms	2 007	17	91	238	524	361	109
$1,000	124 146	10 088	31 447	36 631	35 596	11 915	2 260
Sales of $50,000 or more .... farms	675	17	87	207	328	53	-
$1,000	100 597	10 088	31 318	35 711	30 115	3 453	-
Poultry and poultry products .... farms	2 063	25	53	50	124	129	43
$1,000	116 432	80 851	95 181	9 082	7 758	2 733	273
Sales of $50,000 or more .... farms	182	25	51	36	59	36	-
$1,000	114 271	80 851	(D)	(D)	7 614	2 480	-
Dairy products .... farms	5 951	17	126	592	1 930	1 498	360
$1,000	568 249	15 189	64 877	146 115	233 800	86 713	12 226
Sales of $50,000 or more .... farms	3 618	17	125	585	1 861	1 047	-
$1,000	512 675	15 189	(D)	(D)	231 525	70 367	-
Cattle and calves .... farms	18 164	66	246	753	2 433	2 173	626
$1,000	320 270	83 529	121 264	46 507	60 631	29 214	6 648
Sales of $50,000 or more .... farms	840	57	179	230	298	133	-
$1,000	191 890	83 321	119 394	34 284	29 578	8 634	-

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		$25,000 to $39,999	$20,000 to $24,999	$10,000 to $19,999	$5,000 to $9,999	$2,500 to $4,999	Less than $2,500
FARMS AND LAND IN FARMS							
Farms	number	3 525	1 843	6 617	7 548	6 774	12 670
	percent	6.9	3.6	12.9	14.8	13.2	24.8
Land in farms	acres	789 316	347 993	956 825	801 324	535 401	748 683
Average size of farm	acres	224	189	145	106	79	59
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD							
Total sales (see text)	farms	3 525	1 843	6 617	7 548	6 774	12 670
	$1,000	111 711	41 088	93 997	53 904	24 414	12 162
Average per farm	dollars	31 691	22 294	14 205	7 141	3 604	960
Farms by value of sales:							
Less than $1,000 (see text)		-	-	-	-	-	6 578
$1,000 to $2,499		-	-	-	-	-	6 092
$2,500 to $4,999		-	-	-	-	6 774	-
$5,000 to $9,999		-	-	-	7 548	-	-
$10,000 to $19,999		-	-	6 617	-	-	-
$20,000 to $24,999		-	1 843	-	-	-	-
$25,000 to $39,999		3 525	-	-	-	-	-
$40,000 to $49,999		-	-	-	-	-	-
$50,000 to $99,999		-	-	-	-	-	-
$100,000 to $249,999		-	-	-	-	-	-
$250,000 to $499,999		-	-	-	-	-	-
$500,000 to $999,999		-	-	-	-	-	-
$1,000,000 or more		-	-	-	-	-	-
Grains	farms	2 262	1 198	4 252	4 302	3 019	2 889
	$1,000	44 063	18 003	41 612	22 398	8 462	3 363
Sales of $50,000 or more	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Corn for grain	farms	1 800	959	3 270	3 096	1 957	1 681
	$1,000	18 066	7 146	16 139	9 563	3 775	1 643
Wheat	farms	1 054	543	1 660	1 310	652	496
	$1,000	3 463	1 412	3 608	1 986	747	358
Soybeans	farms	1 311	731	2 406	2 064	1 193	752
	$1,000	16 022	6 952	16 617	8 292	2 975	901
Sorghum for grain	farms	1	2	2	2	1	2
	$1,000	(D)	(D)	(D)	(D)	(D)	(D)
Barley	farms	62	27	98	63	44	30
	$1,000	(D)	(D)	(D)	(D)	(D)	(D)
Oats	farms	660	373	1 193	1 086	594	518
	$1,000	1 486	702	1 678	1 134	516	310
Other grains	farms	576	266	710	466	238	161
	$1,000	4 906	1 709	3 427	1 340	403	132
Cotton and cottonseed	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Sales of $50,000 or more	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Tobacco	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Sales of $50,000 or more	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Hay, silage, and field seeds	farms	707	457	1 750	2 262	1 888	2 777
	$1,000	4 985	2 596	8 582	7 473	3 890	2 115
Sales of $50,000 or more	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Vegetables, sweet corn, and melons	farms	295	128	476	493	324	353
	$1,000	4 831	1 570	4 013	2 199	819	294
Sales of $50,000 or more	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Fruits, nuts, and berries	farms	340	181	542	541	448	652
	$1,000	8 012	3 320	5 661	2 921	1 274	623
Sales of $50,000 or more	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Nursery and greenhouse crops	farms	143	68	214	196	151	126
	$1,000	3 591	1 261	2 546	1 099	460	174
Sales of $50,000 or more	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Other crops	farms	235	88	175	86	47	53
	$1,000	3 602	1 007	1 282	268	102	35
Sales of $50,000 or more	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Poultry and poultry products	farms	106	50	208	261	345	694
	$1,000	314	180	328	196	179	208
Sales of $50,000 or more	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Dairy products	farms	658	229	384	107	42	25
	$1,000	16 140	3 680	4 103	483	98	15
Sales of $50,000 or more	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Cattle and calves	farms	1 456	709	2 345	2 526	2 264	2 633
	$1,000	14 413	5 986	15 618	10 947	5 987	3 055
Sales of $50,000 or more	farms	-	-	-	-	-	-
	$1,000	-	-	-		-	-

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$500,000 or more		$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999	$40,000 to $49,999
		$1,000,000 or more	Total				
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.							
Total sales (see text)—Con.							
Hogs and pigs .... farms..	5 603	27	116	271	669	709	274
$1,000..	226 148	24 562	61 352	55 815	53 769	26 767	6 280
Sales of $50,000 or more .... farms..	994	23	95	218	412	269	-
$1,000..	184 015	24 473	60 948	55 121	49 884	18 065	-
Sheep, lambs, and wool .... farms..	2 072	3	9	24	102	115	63
$1,000..	5 632	23	57	231	1 059	546	340
Sales of $50,000 or more .... farms..	8	-	-	1	6	1	-
$1,000..	786	-	-	(D)	(D)	(D)	-
Other livestock and livestock products (see text) .... farms..	3 945	3	8	32	126	141	68
$1,000..	35 546	10 291	10 924	4 430	4 530	3 408	981
Sales of $50,000 or more .... farms..	91	2	4	13	30	44	-
$1,000..	22 590	(D)	10 898	4 401	4 113	3 177	-
FARM PRODUCTION EXPENSES[1]							
Total farm production expenses .... farms..	51 175	155	588	1 469	4 322	4 178	1 441
$1,000..	2 211 823	323 457	560 517	393 683	533 219	253 560	57 533
Average per farm .... dollars..	43 221	2 086 820	953 261	267 994	123 373	60 689	39 925
Livestock and poultry purchased .... farms..	15 088	92	298	657	1 732	1 585	461
$1,000..	190 386	62 026	88 240	28 570	30 075	15 414	3 314
Farms with expenses of—							
$1 to $4,999	10 826	2	30	133	701	777	256
$5,000 to $24,999	3 103	6	44	238	616	612	185
$25,000 to $99,999	873	14	62	169	388	196	20
$100,000 or more	286	70	162	97	27	-	-
Feed for livestock and poultry .... farms..	23 220	103	356	942	2 780	2 488	677
$1,000..	273 192	67 747	100 836	52 507	64 252	26 163	4 581
Farms with expenses of—							
$1 to $4,999	16 437	3	18	38	374	805	335
$5,000 to $24,999	4 529	3	19	198	1 363	1 501	341
$25,000 to $99,999	1 905	16	111	579	1 029	182	1
$100,000 or more	349	81	208	127	14	-	-
Commercially mixed formula feeds .... farms..	11 999	76	286	765	2 254	1 803	419
$1,000..	153 493	50 575	67 994	28 494	35 069	12 336	2 148
Farms with expenses of—							
$1 to $4,999	7 909	3	16	40	411	917	267
$5,000 to $24,999	3 065	11	59	342	1 462	817	151
$25,000 to $79,999	826	14	85	313	358	69	1
$80,000 or more	199	48	106	70	23	-	-
Seeds, bulbs, plants, and trees .... farms..	35 507	124	515	1 370	4 041	3 805	1 254
$1,000..	111 895	15 142	26 556	18 569	27 503	13 970	3 334
Farms with expenses of—							
$1 to $999	18 698	3	7	28	292	667	280
$1,000 to $4,999	11 636	13	56	266	1 647	2 149	759
$5,000 to $24,999	4 689	41	227	896	2 028	984	215
$25,000 or more	484	67	225	180	74	5	-
Commercial fertilizer .... farms..	37 298	126	518	1 383	4 145	3 842	1 311
$1,000..	194 526	7 947	23 916	35 392	57 320	29 661	7 481
Farms with expenses of—							
$1 to $4,999	27 886	5	41	125	833	1 750	669
$5,000 to $24,999	7 757	30	157	701	2 641	1 997	637
$25,000 to $49,999	1 265	35	151	395	613	94	5
$50,000 or more	390	56	169	162	58	1	-
Agricultural chemicals .... farms..	35 505	132	538	1 398	4 093	3 752	1 216
$1,000..	119 993	7 577	19 935	21 839	31 714	17 414	4 079
Farms with expenses of—							
$1 to $4,999	29 675	13	82	359	1 946	2 478	921
$5,000 to $24,999	5 100	50	222	758	1 978	1 230	295
$25,000 to $49,999	513	25	104	205	162	41	-
$50,000 or more	217	44	130	76	7	3	-
Petroleum products .... farms..	48 558	148	571	1 462	4 294	4 153	1 431
$1,000..	120 621	8 164	18 039	19 237	30 915	17 549	4 004
Farms with expenses of—							
$1 to $4,999	42 313	7	28	150	1 557	2 859	1 284
$5,000 to $24,999	5 863	52	324	1 187	2 700	1 293	147
$25,000 to $49,999	285	41	140	109	35	1	-
$50,000 or more	97	48	79	16	2	-	-
Gasoline and gasohol .... farms..	41 658	132	511	1 315	3 804	3 654	1 230
$1,000..	42 655	1 476	3 877	5 315	9 393	6 579	1 569
Diesel fuel .... farms..	29 904	136	513	1 336	3 950	3 674	1 175
$1,000..	50 970	2 810	6 843	9 128	15 122	7 612	1 800
Natural gas .... farms..	1 941	45	141	191	380	288	71
$1,000..	9 571	2 791	4 711	1 796	1 622	693	88
LP gas, fuel oil, kerosene, motor oil, grease, etc. .... farms..	35 310	143	550	1 452	4 226	4 023	1 352
$1,000..	17 425	1 087	2 608	5 009	4 778	2 665	547

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		$25,000 to $39,999	$20,000 to $24,999	$10,000 to $19,999	$5,000 to $9,999	$2,500 to $4,999	Less than $2,500
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.							
Total sales (see text)—Con.							
Hogs and pigs	farms	543	246	849	773	536	617
	$1,000	9 105	2 468	6 220	2 850	1 002	520
Sales of $50,000 or more	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Sheep, lambs, and wool	farms	106	68	245	355	373	612
	$1,000	387	212	885	812	645	456
Sales of $50,000 or more	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Other livestock and livestock products (see text)	farms	159	101	427	639	727	1 517
	$1,000	2 267	804	3 145	2 261	1 495	1 303
Sales of $50,000 or more	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
FARM PRODUCTION EXPENSES[1]							
Total farm production expenses	farms	3 546	1 810	6 786	7 560	6 887	12 588
	$1,000	99 487	40 232	103 821	69 839	43 331	56 600
Average per farm	dollars	28 056	22 228	15 299	9 238	6 292	4 496
Livestock and poultry purchased	farms	1 129	591	2 008	2 012	1 714	2 901
	$1,000	5 913	2 217	6 563	4 274	2 278	3 528
Farms with expenses of—							
$1 to $4,999		685	432	1 584	1 823	1 664	2 741
$5,000 to $24,999		439	159	422	183	50	155
$25,000 to $99,999		5	-	2	6	-	5
$100,000 or more		-	-	-	-	-	-
Feed for livestock and poultry	farms	1 660	815	2 861	2 783	2 637	5 221
	$1,000	6 596	2 759	5 442	3 147	2 249	4 661
Farms with expenses of—							
$1 to $4,999		1 143	572	2 625	2 747	2 637	5 143
$5,000 to $24,999		517	242	234	36	-	78
$25,000 to $99,999		-	1	2	-	-	-
$100,000 or more		-	-	-	-	-	-
Commercially mixed formula feeds	farms	925	405	984	982	999	2 197
	$1,000	2 151	929	1 569	831	690	1 281
Farms with expenses of—							
$1 to $4,999		796	365	941	977	999	2 180
$5,000 to $24,999		129	40	43	5	-	17
$25,000 to $79,999		-	-	-	-	-	-
$80,000 or more		-	-	-	-	-	-
Seeds, bulbs, plants, and trees	farms	3 129	1 510	5 546	5 592	4 101	4 644
	$1,000	6 424	2 772	6 354	3 679	1 682	1 052
Farms with expenses of—							
$1 to $999		1 051	518	2 935	4 490	3 860	4 570
$1,000 to $4,999		1 873	916	2 567	1 095	234	74
$5,000 to $24,999		205	76	44	7	7	-
$25,000 or more		-	-	-	-	-	-
Commercial fertilizer	farms	3 264	1 564	5 564	5 803	4 388	5 516
	$1,000	12 291	4 950	11 594	6 661	3 131	2 149
Farms with expenses of—							
$1 to $4,999		2 353	1 254	5 207	5 751	4 387	5 516
$5,000 to $24,999		906	309	356	52	1	-
$25,000 to $49,999		5	1	1	-	-	-
$50,000 or more		-	-	-	-	-	-
Agricultural chemicals	farms	3 220	1 548	5 402	5 469	3 956	4 913
	$1,000	7 677	3 076	6 789	4 108	1 943	1 419
Farms with expenses of—							
$1 to $4,999		2 851	1 411	5 352	5 433	3 933	4 909
$5,000 to $24,999		367	137	50	36	23	4
$25,000 to $49,999		1	-	-	-	-	-
$50,000 or more		1	-	-	-	-	-
Petroleum products	farms	3 478	1 787	6 602	7 329	6 648	10 803
	$1,000	7 342	2 862	7 679	5 764	3 505	3 724
Farms with expenses of—							
$1 to $4,999		3 344	1 743	6 570	7 328	6 648	10 802
$5,000 to $24,999		134	44	32	1	-	1
$25,000 to $49,999		-	-	-	-	-	-
$50,000 or more		-	-	-	-	-	-
Gasoline and gasohol	farms	2 959	1 487	5 653	6 324	5 626	9 095
	$1,000	3 171	1 200	3 717	3 275	2 098	2 462
Diesel fuel	farms	2 809	1 374	4 405	4 011	3 133	3 522
	$1,000	2 966	1 131	2 847	1 738	974	808
Natural gas	farms	159	98	180	182	147	104
	$1,000	283	118	102	86	58	25
LP gas, fuel oil, kerosene, motor oil, grease, etc.	farms	3 208	1 543	5 426	5 024	3 776	4 730
	$1,000	922	413	1 012	666	375	428

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$500,000 or more		$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999	$40,000 to $49,999
		$1,000,000 or more	Total				
FARM PRODUCTION EXPENSES[1] —Con.							
Total farm production expenses—Con.							
Electricity farms	38 590	152	580	1 443	4 238	3 887	1 275
$1,000	47 789	4 937	9 417	8 195	12 394	6 068	1 276
Farms with expenses of—							
$1 to $999	28 298	4	19	86	805	1 482	776
$1,000 to $4,999	8 382	14	120	655	2 784	2 299	489
$5,000 to $24,999	1 817	79	361	690	648	106	10
$25,000 or more	93	55	80	12	1	-	-
Hired farm labor farms	18 134	155	581	1 376	3 332	2 412	721
$1,000	242 445	59 156	99 713	57 467	53 087	15 937	3 749
Farms with expenses of—							
$1 to $4,999	12 177	1	2	58	991	1 448	495
$5,000 to $24,999	3 744	9	76	465	1 628	855	214
$25,000 to $99,999	1 856	47	261	751	700	109	12
$100,000 or more	357	98	242	102	13	-	-
Contract labor farms	4 652	41	163	346	690	494	198
$1,000	27 733	6 126	11 168	4 573	5 476	2 150	720
Farms with expenses of—							
$1 to $999	2 093	3	7	25	113	97	90
$1,000 to $4,999	1 582	6	32	94	284	238	57
$5,000 to $24,999	806	11	60	176	242	154	51
$25,000 or more	171	21	64	51	51	5	-
Repair and maintenance farms	43 440	151	570	1 440	4 170	4 003	1 324
$1,000	152 652	10 330	22 473	24 654	39 257	20 578	4 589
Farms with expenses of—							
$1 to $4,999	35 400	4	38	120	1 081	2 294	1 012
$5,000 to $24,999	7 271	34	211	1 015	2 951	1 706	311
$25,000 to $49,999	599	43	181	277	136	3	1
$50,000 or more	170	70	140	28	2	-	-
Customwork, machine hire, and rental of machinery and equipment farms	17 732	88	334	876	2 302	1 989	596
$1,000	34 043	3 213	6 326	5 907	7 427	4 327	1 187
Farms with expenses of—							
$1 to $999	10 922	6	30	160	704	969	271
$1,000 to $4,999	5 482	20	93	395	1 155	832	258
$5,000 to $24,999	1 208	37	155	274	435	180	66
$25,000 or more	120	25	56	47	8	8	1
Interest expense farms	25 197	140	528	1 300	3 632	3 284	916
$1,000	197 966	16 292	35 577	36 263	54 205	24 635	5 003
Farms with expenses of—							
$1 to $4,999	16 167	6	31	191	904	1 489	504
$5,000 to $24,999	7 257	21	124	510	2 037	1 699	405
$25,000 to $99,999	1 656	63	275	582	691	96	7
$100,000 or more	115	50	98	17	-	-	-
Secured by real estate farms	19 208	109	420	1 098	2 959	2 592	674
$1,000	143 627	10 893	24 649	25 937	39 179	17 721	3 433
Farms with expenses of—							
$1 to $999	3 710	-	2	23	140	278	123
$1,000 to $4,999	8 262	6	26	138	599	943	252
$5,000 to $24,999	6 052	20	103	532	1 788	1 319	298
$25,000 or more	1 184	83	289	405	432	52	1
Not secured by real estate farms	13 182	86	334	743	2 105	1 885	553
$1,000	54 339	5 399	10 928	10 326	15 026	6 914	1 570
Farms with expenses of—							
$1 to $999	5 228	3	13	58	256	349	181
$1,000 to $4,999	5 274	1	28	154	792	1 086	267
$5,000 to $24,999	2 336	20	148	406	987	448	105
$25,000 or more	344	62	145	125	70	2	-
Cash rent farms	15 070	102	407	1 115	3 097	2 414	773
$1,000	101 910	6 104	16 735	20 793	33 272	14 900	3 007
Farms with expenses of—							
$1 to $4,999	10 324	9	63	285	1 360	1 447	547
$5,000 to $9,999	2 078	11	47	232	652	441	162
$10,000 to $24,999	1 738	15	94	316	736	434	62
$25,000 or more	930	67	203	282	349	92	2
Property taxes farms	48 191	147	555	1 419	4 102	3 955	1 316
$1,000	157 280	4 418	11 351	16 334	29 904	19 766	5 253
Farms with expenses of—							
$1 to $4,999	40 046	13	71	283	1 613	2 472	975
$5,000 to $9,999	5 386	16	91	443	1 548	1 049	271
$10,000 to $24,999	2 444	53	250	601	875	426	64
$25,000 or more	315	65	143	92	66	8	6
All other farm production expenses farms	46 587	154	586	1 468	4 322	4 170	1 441
$1,000	239 391	44 278	70 235	43 381	56 417	25 028	5 967
Farms with expenses of—							
$1 to $4,999	38 311	2	22	143	1 175	2 238	999
$5,000 to $24,999	6 496	18	157	663	2 521	1 850	442
$25,000 to $49,999	1 117	20	118	398	516	82	-
$50,000 or more	663	114	289	264	110	-	-

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		$25,000 to $39,999	$20,000 to $24,999	$10,000 to $19,999	$5,000 to $9,999	$2,500 to $4,999	Less than $2,500
FARM PRODUCTION EXPENSES[1] —Con.							
Total farm production expenses—Con.							
Electricity	farms	3 110	1 492	5 431	5 594	4 495	7 045
	$1,000	2 184	825	2 576	1 878	1 179	1 799
Farms with expenses of—							
$1 to $999		2 395	1 282	4 876	5 362	4 394	6 821
$1,000 to $4,999		714	210	554	232	101	224
$5,000 to $24,999		1	-	1	-	-	-
$25,000 or more		-	-	-	-	-	-
Hired farm labor	farms	1 550	692	2 250	1 855	1 412	1 953
	$1,000	4 797	1 354	2 973	1 364	902	1 103
Farms with expenses of—							
$1 to $4,999		1 275	591	2 143	1 836	1 404	1 934
$5,000 to $24,999		255	101	105	19	8	18
$25,000 to $99,999		20	-	2	-	-	1
$100,000 or more		-	-	-	-	-	-
Contract labor	farms	319	156	608	515	463	700
	$1,000	834	340	1 058	634	360	412
Farms with expenses of—							
$1 to $999		137	81	294	305	336	608
$1,000 to $4,999		125	55	279	204	127	87
$5,000 to $24,999		57	20	35	6	-	5
$25,000 or more		-	-	-	-	-	-
Repair and maintenance	farms	3 279	1 641	6 058	6 416	5 519	9 020
	$1,000	8 548	3 791	10 116	7 331	4 881	6 446
Farms with expenses of—							
$1 to $4,999		2 898	1 502	5 794	6 266	5 453	8 942
$5,000 to $24,999		380	139	264	150	66	78
$25,000 to $49,999		1	-	-	-	-	-
$50,000 or more		-	-	-	-	-	-
Customwork, machine hire, and rental of machinery and equipment	farms	1 518	764	2 458	2 613	1 905	2 377
	$1,000	2 056	1 015	2 390	1 714	962	731
Farms with expenses of—							
$1 to $999		753	411	1 594	2 048	1 674	2 308
$1,000 to $4,999		718	336	842	557	231	65
$5,000 to $24,999		47	17	22	8	-	4
$25,000 or more		-	-	-	-	-	-
Interest expense	farms	2 130	1 140	3 427	2 930	2 374	3 536
	$1,000	9 430	4 341	10 283	6 587	4 579	7 063
Farms with expenses of—							
$1 to $4,999		1 472	838	2 794	2 579	2 161	3 204
$5,000 to $24,999		657	302	627	351	213	332
$25,000 to $99,999		1	-	6	-	-	-
$100,000 or more		-	-	-	-	-	-
Secured by real estate	farms	1 524	751	2 548	2 078	1 743	2 821
	$1,000	6 609	2 937	8 300	5 184	3 802	5 876
Farms with expenses of—							
$1 to $999		230	148	714	595	529	928
$1,000 to $4,999		833	379	1 290	1 178	1 022	1 602
$5,000 to $24,999		461	224	539	305	192	291
$25,000 or more		-	-	5	-	-	-
Not secured by real estate	farms	1 248	730	1 676	1 447	1 044	1 417
	$1,000	2 820	1 403	1 983	1 404	777	1 187
Farms with expenses of—							
$1 to $999		424	320	986	918	775	948
$1,000 to $4,999		671	355	660	527	269	465
$5,000 to $24,999		152	55	29	2	-	4
$25,000 or more		1	-	1	-	-	-
Cash rent	farms	1 655	569	1 896	1 364	857	923
	$1,000	4 931	1 443	3 647	1 746	712	724
Farms with expenses of—							
$1 to $4,999		1 355	481	1 724	1 318	836	908
$5,000 to $9,999		224	71	167	46	21	15
$10,000 to $24,999		75	17	4	-	-	-
$25,000 or more		1	-	1	-	-	-
Property taxes	farms	3 260	1 654	6 319	7 126	6 531	11 954
	$1,000	11 204	4 814	16 254	14 766	11 104	16 532
Farms with expenses of—							
$1 to $4,999		2 518	1 370	5 718	6 858	6 362	11 806
$5,000 to $9,999		637	262	523	266	168	128
$10,000 to $24,999		105	22	78	2	1	20
$25,000 or more		-	-	-	-	-	-
All other farm production expenses	farms	3 545	1 810	6 784	6 630	5 804	10 027
	$1,000	9 262	3 684	10 104	6 187	3 866	5 259
Farms with expenses of—							
$1 to $4,999		3 127	1 651	6 570	6 592	5 795	9 999
$5,000 to $24,999		416	158	214	38	9	28
$25,000 to $49,999		2	1	-	-	-	-
$50,000 or more		-	-	-	-	-	-

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		All farms	$500,000 or more		$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999	$40,000 to $49,999
			$1,000,000 or more	Total				
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT[1]								
All farms	number	51 175	155	588	1 469	4 322	4 178	1 441
	$1,000	319 953	50 375	105 754	102 362	129 090	50 592	6 278
Average per farm	dollars	6 252	325 000	179 853	69 681	29 868	12 109	4 [illegible]
Farms with net gains[2]	number	21 623	132	516	1 289	3 539	3 047	939
Average net gain	dollars	23 491	406 454	215 569	84 688	42 019	22 778	14 071
Gain of—								
Less than $1,000		3 082	-	1	13	62	61	34
$1,000 to $9,999		9 235	2	13	81	349	647	334
$10,000 to $49,999		6 613	14	77	335	1 909	2 150	571
$50,000 or more		2 693	116	425	860	1 219	189	-
Farms with net losses	number	29 552	23	72	180	783	1 131	502
Average net loss	dollars	6 362	142 478	76 108	37 784	25 052	16 634	13 815
Loss of—								
Less than $1,000		4 347	-	-	6	25	55	15
$1,000 to $9,999		20 539	2	10	43	233	402	250
$10,000 to $49,999		4 375	6	28	82	424	624	225
$50,000 or more		291	15	34	49	101	50	12
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME								
Government payments	farms	19 666	87	361	1 037	3 034	2 661	859
	$1,000	223 470	5 952	23 468	36 873	68 546	36 526	7 944
Other farm-related income[1]	farms	11 845	40	178	467	1 474	1 299	382
	$1,000	37 093	915	2 136	3 412	7 040	4 870	1 274
Customwork and other agricultural services	farms	4 489	17	77	230	788	653	196
	$1,000	14 787	135	645	1 622	3 674	2 497	521
Gross cash rent or share payments	farms	3 973	14	40	51	162	178	66
	$1,000	10 076	255	374	540	649	911	159
Forest products and Christmas trees	farms	1 731	5	16	51	144	212	75
	$1,000	5 537	316	434	296	1 195	666	206
Other farm-related income sources	farms	3 533	22	111	276	720	585	120
	$1,000	6 693	210	683	954	1 522	797	386
COMMODITY CREDIT CORPORATION LOANS								
Total	farms	7 081	54	237	642	1 645	1 274	369
	$1,000	151 146	6 791	21 488	33 147	49 888	23 758	5 084
Corn	farms	6 720	52	233	636	1 610	1 236	344
	$1,000	135 370	6 358	19 839	30 038	44 954	21 157	3 966
Wheat	farms	522	4	17	54	97	92	27
	$1,000	2 150	279	565	436	477	320	61
Soybeans	farms	542	3	23	54	141	111	43
	$1,000	11 105	(D)	1 003	2 605	3 851	1 838	717
Sorghum, barley, and oats	farms	177	2	6	14	31	21	8
	$1,000	351	(D)	82	66	64	36	11
Cotton	farms	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey	farms	169	-	-	-	7	11	8
	$1,000	2 170	-	-	-	542	408	330
LAND IN FARMS ACCORDING TO USE								
Total cropland	farms	48 653	137	554	1 438	4 273	4 226	1 424
	acres	8 181 320	193 928	638 955	1 072 864	2 011 522	1 232 262	322 930
Harvested cropland	farms	46 017	131	540	1 418	4 240	4 181	1 409
	acres	6 172 468	157 792	527 659	893 383	1 644 600	968 279	248 053
Farms by acres harvested:								
1 to 49 acres		21 716	17	66	82	236	396	189
50 to 99 acres		8 682	4	10	45	221	497	224
100 to 199 acres		6 866	2	20	83	605	1 127	445
200 to 499 acres		6 088	15	88	405	1 963	1 902	534
500 to 999 acres		2 075	28	150	558	1 080	257	17
1,000 to 1,999 acres		518	47	153	230	131	2	-
2,000 acres or more		72	18	53	15	4	-	-
Cropland:								
Pasture or grazing only	farms	16 096	28	115	367	1 348	1 393	420
	acres	518 589	5 034	12 496	23 497	67 266	58 746	19 249
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured	farms	10 093	45	186	392	1 160	1 170	406
	acres	440 552	12 389	37 303	45 070	88 890	64 729	16 623
On which all crops failed	farms	3 746	11	42	97	319	349	117
	acres	90 181	1 118	3 500	5 603	13 924	9 978	3 235
In cultivated summer fallow	farms	5 130	14	58	148	478	501	173
	acres	139 260	1 220	4 111	11 851	23 735	18 648	5 007
Idle	farms	17 994	75	274	742	2 087	1 900	604
	acres	820 270	16 375	53 886	93 460	173 107	111 882	30 763
Total woodland	farms	27 107	65	283	847	2 576	2 550	874
	acres	1 253 543	13 422	39 461	71 797	191 273	149 304	44 013
Woodland pastured	farms	6 101	15	51	136	510	533	182
	acres	229 240	3 691	7 047	8 895	30 850	30 032	7 763
Woodland not pastured	farms	23 871	61	263	778	2 353	2 311	784
	acres	1 024 303	9 731	32 414	62 902	160 423	119 272	36 250

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		$25,000 to $39,999	$20,000 to $24,999	$10,000 to $19,999	$5,000 to $9,999	$2,500 to $4,999	Less than $2,500
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT[1]							
All farms	number	3 546	1 810	6 786	7 560	6 887	12 588
	$1,000	12 224	-110	-6 826	-15 954	-18 727	-44 730
Average per farm	dollars	3 447	-61	-1 006	-2 110	-2 719	-3 553
Farms with net gains[2]	number	2 384	1 057	3 439	2 951	1 677	785
Average net gain	dollars	10 108	6 717	4 631	2 252	1 227	522
Gain of–							
Less than $1,000		132	74	482	763	774	686
$1,000 to $9,999		1 151	745	2 725	2 188	903	99
$10,000 to $49,999		1 101	238	232	-	-	-
$50,000 or more		-	-	-	-	-	-
Farms with net losses	number	1 162	753	3 347	4 609	5 210	11 803
Average net loss	dollars	10 218	9 575	6 796	4 903	3 989	3 824
Loss of–							
Less than $1,000		95	67	434	802	981	1 867
$1,000 to $9,999		592	402	2 213	3 292	3 867	9 235
$10,000 to $49,999		460	280	686	510	362	694
$50,000 or more		15	4	14	5	-	7
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME							
Government payments	farms	1 896	989	3 021	2 642	1 571	1 595
	$1,000	15 533	6 435	14 010	8 090	3 460	2 585
Other farm-related income[1]	farms	851	403	1 340	1 642	1 449	2 360
	$1,000	2 726	1 315	3 801	3 620	2 783	4 116
Customwork and other agricultural services	farms	388	151	519	545	380	562
	$1,000	1 220	581	1 511	1 060	747	706
Gross cash rent or share payments	farms	148	104	457	696	788	1 283
	$1,000	568	303	1 413	1 692	1 460	2 008
Forest products and Christmas trees	farms	125	90	148	266	205	399
	$1,000	433	191	372	535	217	991
Other farm-related income sources	farms	324	129	325	341	254	348
	$1,000	505	239	505	333	359	409
COMMODITY CREDIT CORPORATION LOANS							
Total	farms	785	348	858	547	241	135
	$1,000	8 286	2 453	4 544	1 844	501	152
Corn	farms	758	335	802	474	195	97
	$1,000	7 287	2 253	3 864	1 514	390	110
Wheat	farms	62	26	71	44	15	17
	$1,000	123	23	86	42	12	7
Soybeans	farms	53	17	61	25	6	8
	$1,000	555	115	312	94	9	6
Sorghum, barley, and oats	farms	19	10	28	24	11	5
	$1,000	29	12	30	15	3	1
Cotton	farms	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey	farms	13	3	25	42	33	27
	$1,000	293	51	252	179	88	28
LAND IN FARMS ACCORDING TO USE							
Total cropland	farms	3 428	1 797	6 388	7 258	6 397	11 468
	acres	634 607	268 193	710 892	551 929	334 906	402 258
Harvested cropland	farms	3 375	1 764	6 248	6 999	6 008	9 835
	acres	473 729	197 521	504 547	353 279	188 150	173 268
Farms by acres harvested:							
1 to 49 acres		588	350	1 695	3 736	4 973	9 405
50 to 99 acres		637	429	2 619	2 705	923	372
100 to 199 acres		1 342	815	1 746	530	102	51
200 to 499 acres		795	169	187	28	10	7
500 to 999 acres		11	1	1	-	-	-
1,000 to 1,999 acres		2	-	-	-	-	-
2,000 acres or more		-	-	-	-	-	-
Cropland:							
Pasture or grazing only	farms	1 003	503	1 860	2 299	2 250	4 538
	acres	44 029	20 296	64 636	68 717	53 310	86 347
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured	farms	921	447	1 387	1 464	1 023	1 535
	acres	38 431	15 120	38 183	38 095	24 822	33 286
On which all crops failed	farms	305	126	468	514	443	966
	acres	9 572	3 428	9 828	8 873	6 677	15 563
In cultivated summer fallow	farms	402	202	824	855	640	849
	acres	11 067	5 915	18 114	17 115	10 825	12 872
Idle	farms	1 378	755	2 441	2 447	2 035	3 331
	acres	57 779	25 913	75 584	65 850	51 124	80 922
Total woodland	farms	1 948	1 035	3 588	4 002	3 424	5 980
	acres	94 583	47 430	148 295	151 706	121 060	194 621
Woodland pastured	farms	421	216	816	948	855	1 431
	acres	18 478	9 889	32 257	29 503	22 910	31 616
Woodland not pastured	farms	1 737	935	3 161	3 506	2 939	5 104
	acres	76 105	37 541	116 038	122 203	98 150	163 005

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$500,000 or more		$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999	$40,000 to $49,999
		$1,000,000 or more	Total				
LAND IN FARMS ACCORDING TO USE—Con.							
Pastureland and rangeland other than cropland and woodland pastured farms	6 852	23	61	164	540	490	169
acres	230 074	6 020	15 950	11 856	30 540	27 834	5 774
Land in house lots, ponds, roads, wasteland, etc. farms	37 216	113	423	1 113	3 202	3 107	1 063
acres	651 924	11 146	34 897	47 656	95 629	70 308	21 294
Cropland under federal acreage reduction programs:							
Annual commodity acreage adjustment programs farms	16 012	84	350	984	2 780	2 337	722
acres	751 325	21 376	74 166	118 766	217 281	128 133	30 101
Conservation reserve program farms	851	8	14	31	79	103	16
acres	38 874	1 382	2 192	2 254	4 582	5 235	574
Value of land and buildings[1] farms	51 175	155	588	1 469	4 322	4 178	1 441
$1,000	10 033 617	314 727	841 363	1 170 215	2 172 351	1 282 064	343 743
Average per farm dollars	196 065	2 030 497	1 430 889	796 607	502 626	306 861	238 545
Average per acre dollars	971	1 402	1 154	972	926	871	877
Farms by value group:							
$1 to $39,999	6 878	1	6	16	49	85	40
$40,000 to $69,999	9 417	-	2	21	44	139	80
$70,000 to $99,999	8 555	1	6	13	92	228	98
$100,000 to $149,999	7 959	2	12	26	210	513	257
$150,000 to $199,999	4 711	3	8	46	335	575	259
$200,000 to $499,999	9 376	8	50	407	1 990	2 006	589
$500,000 to $999,999	3 044	36	187	550	1 204	558	112
$1,000,000 to $1,999,999	975	45	190	327	348	60	5
$2,000,000 to $4,999,999	237	48	110	63	46	14	1
$5,000,000 or more	23	11	17	-	4	-	-
VALUE OF MACHINERY AND EQUIPMENT[1]							
Estimated market value of all machinery and equipment farms	51 085	155	588	1 469	4 322	4 170	1 441
$1,000	2 347 585	77 544	189 236	286 433	541 858	336 781	86 948
Farms by value group:							
$1 to $4,999	4 330	-	1	3	21	18	18
$5,000 to $9,999	10 003	-	-	6	23	73	28
$10,000 to $19,999	9 792	-	6	17	113	271	112
$20,000 to $49,999	12 783	4	27	72	428	969	551
$50,000 to $99,999	7 353	12	49	183	1 284	1 500	454
$100,000 to $199,999	4 551	25	139	525	1 664	1 075	240
$200,000 to $499,999	2 063	59	256	604	753	260	38
$500,000 or more	210	55	110	59	36	4	-
SELECTED MACHINERY AND EQUIPMENT[1]							
Motortrucks, including pickups farms	43 238	153	578	1 455	4 219	3 992	1 363
number	77 231	1 360	3 462	5 506	11 587	8 818	2 684
Wheel tractors farms	47 507	149	569	1 436	4 243	4 025	1 330
number	143 734	1 669	4 914	8 813	20 877	16 775	4 871
Less than 40 horsepower (PTO) farms	29 681	81	299	678	2 149	2 180	823
number	51 330	402	1 090	1 619	4 420	4 254	1 525
40 horsepower (PTO) or more farms	36 848	138	538	1 376	4 074	3 816	1 227
number	92 404	1 267	3 824	7 194	16 457	12 521	3 346
Grain and bean combines farms	20 160	85	332	948	2 742	2 518	724
number	23 587	130	460	1 172	3 336	2 963	935
Cottonpickers and strippers farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Mower conditioners farms	19 528	55	235	772	2 403	2 101	619
number	21 051	117	362	902	2 720	2 284	635
Pickup balers farms	21 718	59	249	777	2 472	2 263	641
number	24 924	78	326	1 017	3 115	2 785	746
AGRICULTURAL CHEMICALS[1]							
Commercial fertilizer farms	37 282	126	518	1 303	4 145	3 841	1 311
acres on which used	5 300 902	149 907	499 153	828 871	1 492 112	840 940	215 986
Lime farms	6 799	44	178	467	1 285	797	239
acres on which used	301 302	13 229	33 342	45 660	83 661	35 490	6 565
tons	566 902	28 080	66 120	85 077	159 296	65 977	13 191
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms	15 082	104	409	947	2 362	1 919	645
acres on which used	1 532 318	76 958	222 809	299 784	451 793	217 054	47 006
Nematodes in crops farms	2 132	21	89	173	427	348	92
acres on which used	205 371	10 692	39 186	37 960	58 305	30 300	5 061
Diseases in crops and orchards farms	5 320	44	177	305	731	626	236
acres on which used	336 227	25 261	65 461	65 856	90 728	42 645	10 176
Weeds, grass, or brush in crops and pasture farms	27 595	110	455	1 185	3 495	3 126	1 023
acres on which used	3 800 607	123 002	401 859	591 915	1 071 660	598 915	152 521
Chemicals for defoliation or for growth control of crops or thinning of fruit farms	2 204	19	83	183	454	304	96
acres on which used	118 970	9 481	20 644	25 604	34 610	15 424	1 770

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $39,999	$20,000 to $24,999	$10,000 to $19,999	$5,000 to $9,999	$2,500 to $4,999	Less than $2,500
LAND IN FARMS ACCORDING TO USE—Con.						
Pastureland and rangeland other than cropland and woodland pastured .... farms..	392	205	759	960	982	2 130
acres..	15 359	7 616	26 670	26 045	20 417	42 013
Land in house lots, ponds, roads, wasteland, etc. .... farms..	2 463	1 335	4 706	5 454	4 950	9 400
acres..	44 767	24 754	70 968	71 644	60 016	109 791
Cropland under federal acreage reduction programs:						
Annual commodity acreage adjustment programs .... farms..	1 624	833	2 475	2 000	1 066	841
acres..	56 806	23 395	52 741	30 869	11 956	7 091
Conservation reserve program .... farms..	49	39	97	136	106	181
acres..	1 958	2 083	4 137	5 464	4 367	6 028
Value of land and buildings[1] .... farms..	3 546	1 810	6 786	7 560	6 887	12 588
$1,000..	702 918	299 587	870 525	785 556	598 408	966 887
Average per farm .... dollars..	198 228	165 518	128 282	103 910	86 890	76 810
Average per acre .... dollars..	882	894	906	973	1 088	1 309
Farms by value group:						
$1 to $39,999	167	117	585	1 002	1 420	3 391
$40,000 to $69,999	278	198	1 038	1 746	1 921	3 950
$70,000 to $99,999	487	206	1 434	1 871	1 640	2 480
$100,000 to $149,999	552	378	1 787	1 628	1 053	1 543
$150,000 to $199,999	563	355	914	615	470	571
$200,000 to $499,999	1 347	516	936	600	334	601
$500,000 to $999,999	134	36	84	98	39	42
$1,000,000 to $1,999,999	17	3	7	-	9	9
$2,000,000 to $4,999,999	1	1	-	-	1	-
$5,000,000 or more	-	-	1	-	-	1
VALUE OF MACHINERY AND EQUIPMENT[1]						
Estimated market value of all machinery and equipment .... farms..	3 546	1 804	6 778	7 554	6 871	12 542
$1,000..	173 441	71 043	214 501	186 756	125 046	135 543
Farms by value group:						
$1 to $4,999	99	91	279	546	1 007	2 247
$5,000 to $9,999	162	116	674	1 119	1 549	6 253
$10,000 to $19,999	475	262	1 725	2 284	1 975	2 552
$20,000 to $49,999	1 405	784	2 803	2 671	1 861	1 212
$50,000 to $99,999	1 015	436	1 018	764	424	226
$100,000 to $199,999	329	111	238	140	47	4[illegible]
$200,000 to $499,999	61	4	41	29	8	9
$500,000 or more	-	-	-	1	-	-
SELECTED MACHINERY AND EQUIPMENT[1]						
Motortrucks, including pickups .... farms..	3 270	1 619	5 994	6 237	5 410	9 101
number..	5 681	2 690	9 426	8 901	7 171	11 305
Wheel tractors .... farms..	3 376	1 709	6 355	7 054	6 370	11 040
number..	11 179	5 399	17 856	18 083	14 686	20 281
Less than 40 horsepower (PTO) .... farms..	1 861	931	3 719	4 580	4 223	8 238
number..	3 226	1 643	6 470	7 820	7 207	12 056
40 horsepower (PTO) or more .... farms..	3 135	1 552	5 417	5 385	4 520	5 808
number..	7 953	3 756	11 386	10 263	7 479	8 225
Grain and bean combines .... farms..	1 947	891	3 082	3 013	2 112	1 851
number..	2 284	1 030	3 604	3 415	2 385	2 003
Cottonpickers and strippers .... farms..	-	-	-	-	-	-
number..	-	-	-	-	-	-
Mower conditioners .... farms..	1 408	683	2 543	3 071	2 518	3 175
number..	1 461	739	2 683	3 249	2 633	3 383
Pickup balers .... farms..	1 660	832	2 983	3 265	2 867	3 707
number..	1 914	941	3 341	3 608	3 164	3 967
AGRICULTURAL CHEMICALS[1]						
Commercial fertilizer .... farms..	3 264	1 564	5 564	5 803	4 381	5 508
acres on which used..	408 615	161 841	405 109	245 992	120 146	82 137
Lime .... farms..	663	213	791	768	639	761
acres on which used..	30 585	6 775	21 250	15 937	11 993	10 044
tons..	56 037	12 823	37 131	31 548	20 175	19 527
Sprays, dusts, granules, fumigants, etc., to control—						
Insects on hay and other crops .... farms..	1 527	614	1 942	1 778	1 201	1 738
acres on which used..	95 422	31 629	81 106	48 989	17 970	18 754
Nematodes in crops .... farms..	179	53	269	160	201	141
acres on which used..	11 051	2 709	12 451	3 962	3 042	1 324
Diseases in crops and orchards .... farms..	442	149	581	640	504	929
acres on which used..	18 135	5 295	15 883	11 724	4 107	6 217
Weeds, grass, or brush in crops and pasture .... farms..	2 659	1 314	4 425	4 133	2 904	2 876
acres on which used..	297 387	130 606	295 232	155 718	67 845	36 949
Chemicals for defoliation or for growth control of crops or thinning of fruit .... farms..	164	90	236	204	165	225
acres on which used..	5 131	1 858	6 551	3 576	1 567	2 235

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		All farms	$500,000 or more		$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999	$40,000 to $49,999
			$1,000,000 or more	Total				
TENURE AND RACE OF OPERATOR								
All operators		51 172	155	588	1 469	4 339	4 322	1 477
Full owners		31 186	51	169	315	1 013	1 350	568
Part owners		16 903	94	382	1 086	3 119	2 675	786
Tenants		3 083	10	37	68	207	297	123
White		50 880	155	587	1 468	4 337	4 309	1 473
Full owners		30 964	51	169	315	1 013	1 347	566
Part owners		16 843	94	381	1 085	3 117	2 666	784
Tenants		3 073	10	37	68	207	296	123
Black and other races		292	-	1	1	2	13	4
Full owners		222	-	-	-	-	3	2
Part owners		60	-	1	1	2	9	2
Tenants		10	-	-	-	-	1	-
OWNED AND RENTED LAND								
Land owned	farms	48 162	145	551	1 401	4 135	4 028	1 358
	acres	7 097 326	148 017	422 660	658 749	1 307 383	862 288	258 774
Owned land in farms	farms	48 069	145	551	1 401	4 132	4 025	1 354
	acres	6 754 515	142 520	413 643	646 076	1 289 210	860 158	245 789
Land rented or leased from others	farms	20 096	105	420	1 158	3 334	2 981	912
	acres	3 587 514	83 011	317 180	562 222	1 045 346	621 384	148 786
Rented or leased land in farms	farms	19 986	104	419	1 154	3 326	2 972	909
	acres	3 562 346	81 996	315 620	558 097	1 039 954	619 550	148 222
Land rented or leased to others	farms	5 571	22	55	81	227	238	113
	acres	367 979	6 512	10 577	16 798	23 565	23 964	13 529
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated		41 967	101	445	1 234	3 817	3 746	1 241
Not on farm operated		6 332	40	106	151	289	393	165
Not reported		2 873	14	37	84	233	183	71
Operators by principal occupation:								
Farming		26 112	149	561	1 430	4 070	3 666	1 152
Other		25 060	6	27	39	269	656	325
Operators by days of work off farm:								
None		19 384	121	470	1 142	3 164	2 461	723
Any		29 155	24	87	236	940	1 606	658
1 to 99 days		4 058	13	49	147	484	579	155
100 to 199 days		4 279	-	7	36	161	323	144
200 days or more		20 818	11	31	53	295	704	359
Not reported		2 633	10	31	91	235	255	96
Operators by years on present farm:								
2 years or less		2 061	6	12	22	83	124	43
3 or 4 years		2 996	8	12	35	133	182	70
5 to 9 years		7 171	9	54	104	427	550	194
10 years or more		30 863	102	422	1 060	3 025	2 867	953
Average years on present farm		20.0	25.1	24.4	23.3	22.5	21.0	21.3
Not reported		8 081	30	88	248	671	599	217
Operators by age group:								
Under 25 years		829	1	3	8	45	98	50
25 to 34 years		6 206	13	59	179	597	743	247
35 to 44 years		11 098	34	130	431	1 136	949	300
45 to 49 years		6 142	20	95	204	591	532	154
50 to 54 years		5 792	19	64	188	565	553	152
55 to 59 years		5 944	22	90	187	573	548	197
60 to 64 years		5 649	26	88	165	470	467	187
65 to 69 years		4 355	11	35	73	225	267	105
70 years and over		5 157	9	24	34	137	165	85
Average age		50.9	51.2	50.2	47.9	47.9	47.6	48.7
Operators by sex:								
Male		48 458	153	577	1 455	4 252	4 223	1 423
Female		2 714	2	11	14	87	99	54
Operators of Spanish origin (see text)		122	-	-	3	5	14	4
FARMS BY TYPE OF ORGANIZATION								
Individual or family (sole proprietorship)	farms	45 166	38	204	753	3 195	3 581	1 290
	acres	7 848 652	55 571	242 365	589 793	1 673 293	1 211 364	340 733
Partnership	farms	4 662	43	189	514	911	606	148
	acres	1 851 919	71 670	270 090	471 325	529 461	225 840	43 100
Corporation:								
Family held	farms	1 056	62	170	183	213	113	32
	acres	518 500	86 327	185 510	130 617	118 230	33 942	6 801
More than 10 stockholders	farms	14	2	4	3	2	1	-
10 or less stockholders	farms	1 042	60	166	180	211	112	32
Other than family held	farms	111	11	20	15	11	8	3
	acres	39 206	(D)	10 330	8 294	2 980	3 265	1 841
More than 10 stockholders	farms	12	4	6	1	-	1	1
10 or less stockholders	farms	99	7	14	14	11	7	2
Other—cooperative, estate or trust, institutional, etc.	farms	177	1	5	4	9	14	4
	acres	58 584	(D)	20 968	3 944	5 200	5 297	1 536

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		$25,000 to $39,999	$20,000 to $24,999	$10,000 to $19,999	$5,000 to $9,999	$2,500 to $4,999	Less than $2,500
TENURE AND RACE OF OPERATOR							
All operators		3 525	1 843	6 617	7 548	6 774	12 670
Full owners		1 515	941	3 982	5 338	5 226	10 769
Part owners		1 710	738	2 110	1 716	1 169	1 412
Tenants		300	164	525	494	379	489
White		3 507	1 830	6 584	7 501	6 733	12 551
Full owners		1 506	934	3 953	5 300	5 192	10 669
Part owners		1 703	732	2 106	1 708	1 165	1 396
Tenants		298	164	525	493	376	486
Black and other races		18	13	33	47	41	119
Full owners		9	7	29	38	34	100
Part owners		7	6	4	8	4	16
Tenants		2	-	-	1	3	3
OWNED AND RENTED LAND							
Land owned	farms	3 231	1 683	6 103	7 065	6 407	12 200
	acres	528 692	259 713	774 728	719 648	516 736	767 955
Owned land in farms	farms	3 225	1 679	6 092	7 054	6 395	12 181
	acres	509 694	247 937	729 351	663 726	467 406	681 525
Land rented or leased from others	farms	2 020	902	2 650	2 227	1 568	1 924
	acres	282 249	100 301	229 375	141 603	70 218	68 870
Rented or leased land in farms	farms	2 010	902	2 635	2 210	1 548	1 901
	acres	279 622	100 056	227 474	137 598	68 995	67 158
Land rented or leased to others	farms	272	163	644	1 004	958	1 816
	acres	21 625	12 021	47 278	59 927	50 553	88 142
OPERATOR CHARACTERISTICS							
Operators by place of residence:							
On farm operated		2 964	1 519	5 380	6 018	5 387	10 216
Not on farm operated		391	240	910	1 057	985	1 645
Not reported		170	84	327	473	402	809
Operators by principal occupation:							
Farming		2 403	1 120	3 367	3 078	2 205	3 060
Other		1 122	723	3 250	4 470	4 569	9 610
Operators by days of work off farm:							
None		1 509	696	2 197	2 296	1 824	2 902
Any		1 820	1 032	4 046	4 854	4 613	9 263
1 to 99 days		352	177	514	521	394	686
100 to 199 days		359	184	676	695	596	1 098
200 days or more		1 109	671	2 856	3 638	3 623	7 479
Not reported		196	115	374	398	337	505
Operators by years on present farm:							
2 years or less		100	50	205	322	333	707
3 or 4 years		158	85	328	449	456	1 088
5 to 9 years		474	267	879	1 028	1 020	2 174
10 years or more		2 259	1 186	4 207	4 548	3 816	6 520
Average years on present farm		21.7	22.0	21.9	20.8	19.0	16.4
Not reported		534	255	938	1 201	1 149	2 181
Operators by age group:							
Under 25 years		78	47	138	127	109	126
25 to 34 years		521	248	832	735	721	1 324
35 to 44 years		662	342	1 223	1 440	1 346	3 139
45 to 49 years		397	200	689	853	766	1 659
50 to 54 years		400	210	675	809	769	1 407
55 to 59 years		453	210	762	833	757	1 334
60 to 64 years		445	242	765	875	761	1 184
65 to 69 years		316	184	699	781	608	1 062
70 years and over		253	160	834	1 095	935	1 435
Average age		50.0	50.7	52.0	53.1	52.4	51.1
Operators by sex:							
Male		3 396	1 764	6 311	7 153	6 334	11 570
Female		129	79	306	395	440	1 100
Operators of Spanish origin (see text)		3	6	11	21	15	40
FARMS BY TYPE OF ORGANIZATION							
Individual or family (sole proprietorship)	farms	3 132	1 635	6 034	7 014	6 371	11 957
	acres	687 412	305 537	867 830	737 617	498 652	694 056
Partnership	farms	331	169	488	454	339	513
	acres	85 662	36 754	73 359	53 813	27 879	34 636
Corporation:							
Family held	farms	52	25	59	47	36	126
	acres	13 649	3 504	8 106	4 355	2 694	10 692
More than 10 stockholders	farms	-	-	-	-	1	3
10 or less stockholders	farms	52	25	59	47	35	123
Other than family held	farms	5	4	10	12	6	17
	acres	1 891	67	1 521	2 274	4 356	2 387
More than 10 stockholders	farms	-	-	-	1	1	1
10 or less stockholders	farms	5	4	10	11	5	16
Other—cooperative, estate or trust, institutional, etc.	farms	5	10	26	21	22	57
	acres	702	2 131	6 009	3 265	2 620	6 912

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		All farms	$500,000 or more		$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999	$40,000 to $49,999
			$1,000,000 or more	Total				
FARMS BY SIZE								
1 to 9 acres		2 866	5	34	46	104	119	42
10 to 49 acres		12 174	3	50	44	99	178	90
50 to 69 acres		3 667	2	5	11	45	79	40
70 to 99 acres		6 467	5	9	20	94	194	90
100 to 139 acres		5 478	2	10	32	126	253	117
140 to 179 acres		4 167	4	7	18	144	339	154
180 to 219 acres		2 833	1	3	30	197	332	146
220 to 259 acres		2 222	1	5	20	212	381	122
260 to 499 acres		6 274	8	49	211	1 302	1 514	535
500 to 999 acres		3 667	20	128	587	1 536	852	131
1,000 to 1,999 acres		1 134	43	175	379	459	72	10
2,000 acres or more		223	41	113	71	21	9	-
FARMS BY STANDARD INDUSTRIAL CLASSIFICATION								
Cash grains (011)		15 745	4	47	199	924	1 241	505
Field crops, except cash grains (013)		5 654	5	34	95	204	182	74
Cotton (0131)		-	-	-	-	-	-	-
Tobacco (0132)		-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		5 654	5	34	95	204	182	74
Vegetables and melons (016)		1 758	9	51	72	137	168	69
Fruits and tree nuts (017)		3 307	8	35	111	304	332	136
Horticultural specialties (018)		1 311	30	84	91	177	150	46
General farms, primarily crop (019)		2 184	2	18	55	86	103	36
Livestock, except dairy, poultry, and animal specialties (021)		12 124	59	161	254	574	640	259
Beef cattle, except feedlots (0212)		4 605	6	16	22	64	77	40
Dairy farms (024)		5 199	11	100	512	1 770	1 354	308
Poultry and eggs (025)		455	24	46	29	53	38	6
Animal specialties (027)		2 931	2	3	13	20	47	21
General farms, primarily livestock and animal specialties (029)		504	1	9	38	81	67	17
LIVESTOCK								
Cattle and calves inventory	farms	19 436	67	242	740	2 426	2 182	633
	number	1 163 352	83 359	167 287	200 038	336 052	156 681	32 166
Farms with–								
1 to 9		5 321	1	4	9	80	119	49
10 to 49		7 897	2	8	29	166	470	285
50 to 99		2 904	1	4	38	404	1 168	251
100 to 199		2 045	2	16	120	1 318	385	45
200 to 499		1 078	6	66	505	451	40	3
500 or more		191	55	144	39	7	-	-
Cows and heifers that had calved	farms	14 030	23	143	621	2 065	1 730	481
	number	454 706	8 896	35 224	81 146	147 129	68 935	13 741
Beef cows	farms	8 163	8	26	70	262	344	155
	number	110 156	778	2 793	3 878	8 622	9 818	4 067
Farms with–								
1 to 9		4 691	3	5	20	76	103	52
10 to 49		3 136	1	12	29	132	186	74
50 to 99		257	2	2	9	32	35	24
100 to 129		61	1	4	8	19	15	5
200 to 499		16	1	2	3	3	5	-
500 or more		2	-	1	1	-	-	-
Milk cows	farms	6 499	16	121	572	1 893	1 465	349
	number	344 550	8 118	32 431	77 268	138 507	59 117	9 654
Farms with–								
1 to 4		719	-	-	-	8	18	10
5 to 9		241	-	-	-	3	6	1
10 to 49		2 874	-	1	10	266	1 101	327
50 to 99		1 724	-	4	70	1 288	335	11
100 to 199		791	3	29	432	325	5	-
200 to 499		141	4	78	60	3	-	-
500 or more		9	9	9	-	-	-	-
Heifers and heifer calves	farms	13 710	33	160	626	2 060	1 750	481
	number	372 907	16 825	44 268	71 535	124 293	51 683	9 959
Steers, steer calves, bulls, and bull calves	farms	15 610	63	214	606	1 863	1 652	506
	number	335 739	57 638	87 795	47 357	64 630	36 063	8 466
Cattle and calves sold	farms	18 164	66	246	753	2 433	2 173	626
	number	653 806	133 010	199 670	97 142	139 446	68 532	15 026
	$1,000	320 270	83 529	121 264	46 507	60 631	29 214	6 648
Calves	farms	8 447	16	99	441	1 591	1 298	336
	number	183 302	19 314	32 786	33 040	49 107	22 410	4 519
	$1,000	34 569	4 452	7 739	6 871	7 728	3 191	807
Cattle	farms	16 208	61	230	706	2 244	1 993	569
	number	470 504	113 696	166 884	64 102	90 339	46 122	10 507
	$1,000	285 702	79 078	113 526	39 636	52 903	26 023	5 841
Fattened on grain and concentrates	farms	7 067	46	140	276	713	692	204
	number	281 874	107 109	143 672	34 923	39 956	20 414	4 456
	$1,000	187 767	74 783	99 632	23 801	25 923	13 133	2 861

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $39,999	$20,000 to $24,999	$10,000 to $19,999	$5,000 to $9,999	$2,500 to $4,999	Less than $2,500
FARMS BY SIZE						
1 to 9 acres	95	52	252	341	444	1 337
10 to 49 acres	270	176	787	1 638	2 489	6 353
50 to 69 acres	117	74	396	884	788	1 228
70 to 99 acres	275	157	1 072	1 577	1 281	1 698
100 to 139 acres	391	234	1 315	1 227	799	974
140 to 179 acres	434	311	1 033	769	454	504
180 to 219 acres	407	274	595	414	206	229
220 to 259 acres	393	175	416	254	120	124
260 to 499 acres	947	334	649	391	172	170
500 to 999 acres	182	49	94	50	16	42
1,000 to 1,999 acres	11	6	6	3	3	10
2,000 acres or more	3	1	2	-	2	1
FARMS BY STANDARD INDUSTRIAL CLASSIFICATION						
Cash grains (011)	1 324	789	2 874	3 062	2 272	2 508
Field crops, except cash grains (013)	205	116	589	1 007	1 052	2 096
Cotton (0131)	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-
Sugarcane and sugar beets; irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	205	116	589	1 007	1 052	2 096
Vegetables and melons (016)	151	69	274	310	228	229
Fruits and tree nuts (017)	257	155	394	401	348	834
Horticultural specialties (018)	110	58	184	161	135	115
General farms, primarily crop (019)	105	61	173	164	90	1 293
Livestock, except dairy, poultry, and animal specialties (021)	696	351	1 581	2 039	2 193	3 376
Beef cattle, except feedlots (0212)	167	102	565	892	1 039	1 621
Dairy farms (024)	564	186	289	72	28	16
Poultry and eggs (025)	9	6	17	16	29	206
Animal specialties (027)	67	31	199	289	376	1 856
General farms, primarily livestock and animal specialties (029)	37	21	43	27	23	141
LIVESTOCK						
Cattle and calves inventory ... farms	1 469	701	2 329	2 571	2 365	3 778
number	61 192	24 550	65 778	52 191	35 108	32 309
Farms with—						
1 to 9	182	104	434	760	974	2 606
10 to 49	831	438	1 549	1 618	1 348	1 155
50 to 99	367	132	302	181	41	16
100 to 199	82	23	42	12	1	1
200 to 499	7	4	2	-	-	-
500 or more	-	-	-	-	1	-
Cows and heifers that had calved ... farms	1 014	474	1 536	1 696	1 615	2 655
number	24 489	9 551	25 842	20 796	13 843	14 010
Beef cows ... farms	421	264	1 150	1 529	1 498	2 444
number	9 837	5 180	20 064	19 421	13 191	13 245
Farms with—						
1 to 9	169	86	431	715	956	2 078
10 to 49	189	158	662	790	539	365
50 to 99	59	16	54	22	3	1
100 to 199	4	3	1	2	-	-
200 to 499	-	1	2	-	-	-
500 or more	-	-	-	-	-	-
Milk cows ... farms	659	238	462	233	183	324
number	14 652	4 371	5 758	1 375	652	765
Farms with—						
1 to 4	24	20	95	123	143	278
5 to 9	15	14	76	61	25	40
10 to 49	611	200	289	48	15	6
50 to 99	9	4	2	1	-	-
100 to 199	-	-	-	-	-	-
200 to 499	-	-	-	-	-	-
500 or more	-	-	-	-	-	-
Heifers and heifer calves ... farms	1 058	471	1 531	1 731	1 576	2 266
number	17 493	6 374	16 604	13 326	9 437	7 935
Steers, steer calves, bulls, and bull calves ... farms	1 220	596	2 025	2 207	1 983	2 738
number	19 210	8 625	23 332	18 069	11 828	10 364
Cattle and calves sold ... farms	1 456	709	2 345	2 526	2 264	2 633
number	32 658	13 605	36 750	26 404	15 634	8 939
$1,000	14 413	5 986	15 618	10 947	5 987	3 055
Calves ... farms	719	276	884	909	861	1 033
number	9 181	4 136	10 868	8 061	5 514	3 680
$1,000	1 530	751	2 177	1 851	1 226	697
Cattle ... farms	1 312	640	2 131	2 286	2 004	2 093
number	23 477	9 469	25 882	18 343	10 120	5 259
$1,000	12 883	5 234	13 441	9 096	4 761	2 357
Fattened on grain and concentrates ... farms	523	318	1 083	1 156	975	987
number	9 671	4 218	10 822	7 338	4 140	2 264
$1,000	5 971	2 640	6 355	4 137	2 213	1 101

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$500,000 or more		$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999	$40,000 to $49,999
		$1,000,000 or more	Total				
LIVESTOCK—Con.							
Hogs and pigs inventory farms	5 577	24	110	262	646	688	286
number	1 227 069	119 615	296 110	281 960	268 302	158 300	39 296
Farms with—							
1 to 24	2 249	1	6	22	73	105	43
25 to 49	680	-	1	9	28	39	25
50 to 99	717	-	3	6	56	89	39
100 to 199	635	-	4	10	61	130	72
200 to 499	660	3	12	26	169	241	61
500 or more	636	20	84	189	259	84	6
Used or to be used for breeding farms	3 523	20	84	183	433	400	189
number	183 586	16 337	42 506	40 265	40 943	22 883	6 693
Other farms	5 176	24	108	255	632	656	253
number	1 043 483	103 278	253 604	241 695	247 359	135 417	32 605
Hogs and pigs sold farms	5 603	27	116	271	669	709	274
number	2 215 872	214 663	553 694	528 426	507 457	287 715	72 688
$1,000	226 148	24 562	61 352	55 815	53 769	26 767	6 280
Feeder pigs farms	1 575	8	29	61	131	181	101
number	468 706	12 815	58 437	86 625	81 718	92 848	32 824
$1,000	21 840	743	2 687	4 064	4 146	4 376	1 592
Litters of pigs farrowed between—							
Dec. 1 of preceding year and Nov. 30 farms	3 714	20	85	187	442	482	203
number	252 915	24 341	61 013	57 197	56 517	32 622	9 267
Dec. 1 and May 31 farms	3 312	20	82	180	407	441	195
number	123 621	10 778	27 892	30 159	27 799	15 579	4 516
June 1 and Nov. 30 farms	3 316	20	84	175	425	465	190
number	129 294	13 563	33 121	27 038	28 718	17 043	4 751
Sheep and lambs of all ages inventory farms	2 057	2	8	23	99	108	62
number	101 330	(D)	409	2 587	15 455	10 152	6 141
Ewes 1 year old or older farms	1 857	2	7	20	87	97	59
number	62 036	(D)	(D)	1 437	7 248	6 028	3 629
Sheep and lambs sold farms	1 979	3	9	24	100	112	63
number	77 152	152	568	2 491	14 733	7 074	4 600
Sheep and lambs shorn farms	1 826	3	8	20	88	99	58
number	88 134	337	692	2 420	13 999	8 610	6 046
pounds of wool	655 169	2 106	3 835	13 783	90 201	67 657	41 952
Horses and ponies inventory farms	9 065	12	35	75	322	363	139
number	56 836	108	293	255	1 842	2 086	779
Horses and ponies sold farms	2 403	1	4	7	54	65	28
number	7 645	(D)	148	11	270	405	73
Goats inventory farms	1 234	-	1	10	32	48	22
number	21 405	-	(D)	(D)	594	682	1 086
Goats sold farms	469	-	1	3	6	18	9
number	9 252	-	(D)	(D)	375	211	87
POULTRY							
Chickens 3 months old or older inventory farms	3 550	18	41	45	132	173	69
number	8 428 623	5 396 664	6 444 780	883 458	709 253	223 376	17 911
Farms with—							
1 to 399	3 378	-	4	15	67	143	66
400 to 3,199	35	-	-	1	4	5	-
3,200 to 9,999	37	-	-	5	10	19	3
10,000 to 19,999	29	-	3	1	17	6	-
20,000 to 49,999	35	1	5	18	12	-	-
50,000 to 99,999	20	3	13	5	2	-	-
100,000 or more	16	14	16	-	-	-	-
Hens and pullets of laying age farms	3 490	18	40	43	127	172	69
number	7 152 993	(D)	5 636 780	721 158	447 950	211 801	17 336
Pullets 3 months old or older not of laying age farms	480	9	11	8	18	14	9
number	1 275 630	(D)	808 000	162 300	261 303	11 575	575
Hens and pullets sold farms	587	18	39	33	62	52	11
number	6 611 462	3 105 100	4 294 028	800 603	1 104 206	306 492	10 724
Broilers and other meat-type chickens sold farms	495	-	-	5	24	25	13
number	702 431	-	-	120 260	353 047	79 752	22 281
Farms with—							
1 to 1,999	482	-	-	4	20	23	12
2,000 to 59,999	8	-	-	-	1	1	1
60,000 to 99,999	2	-	-	-	1	1	-
100,000 or more	3	-	-	1	2	-	-
Turkey hens kept for breeding farms	169	1	1	3	7	4	6
number	60 229	(D)	(D)	(D)	14 444	121	4 829
Turkeys sold farms	281	7	13	4	13	16	11
number	2 906 678	2 218 472	2 711 472	80 675	64 386	32 058	6 763

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		$25,000 to $39,999	$20,000 to $24,999	$10,000 to $19,999	$5,000 to $9,999	$2,500 to $4,999	Less than $2,500
LIVESTOCK—Con.							
Hogs and pigs inventory	farms	515	235	805	760	533	757
	number	55 416	17 540	47 343	25 232	10 202	7 366
Farms with—							
1 to 24		90	60	293	458	402	697
25 to 49		74	45	174	161	83	41
50 to 99		113	60	197	103	36	15
100 to 199		159	51	107	28	10	3
200 to 499		73	19	31	5	2	1
500 or more		6	-	3	5	-	-
Used or to be used for breeding	farms	370	166	550	462	311	315
	number	9 685	3 345	8 723	4 543	2 352	1 648
Other	farms	496	216	741	679	470	670
	number	45 731	14 195	38 620	20 689	7 850	5 718
Hogs and pigs sold	farms	543	246	849	773	536	617
	number	106 325	29 539	74 694	34 712	14 067	6 555
	$1,000	9 105	2 468	6 220	2 850	1 002	520
Feeder pigs	farms	169	74	261	239	175	154
	number	43 548	13 077	33 219	15 338	7 787	3 285
	$1,000	1 969	572	1 431	610	274	119
Litters of pigs farrowed between—							
Dec. 1 of preceding year and Nov. 30	farms	384	173	583	489	345	341
	number	13 340	4 076	10 045	5 077	2 267	1 494
Dec. 1 and May 31	farms	355	157	515	422	282	286
	number	6 533	2 059	4 819	2 430	1 108	727
June 1 and Nov. 30	farms	356	154	511	414	277	266
	number	6 807	2 017	5 226	2 647	1 159	767
Sheep and lambs of all ages inventory	farms	103	68	249	345	364	628
	number	5 895	3 375	16 429	15 763	13 355	11 769
Ewes 1 year old or older	farms	96	67	223	311	329	559
	number	3 713	(D)	10 236	10 478	8 688	7 925
Sheep and lambs sold	farms	103	65	233	342	363	565
	number	5 065	2 560	12 300	11 043	9 572	7 146
Sheep and lambs shorn	farms	99	62	224	314	330	524
	number	5 868	2 746	13 761	14 057	10 535	9 400
	pounds of wool	46 544	19 569	105 672	112 842	83 137	69 977
Horses and ponies inventory	farms	379	193	808	1 140	1 268	4 343
	number	2 640	1 541	5 702	6 712	7 002	27 984
Horses and ponies sold	farms	97	56	252	397	470	973
	number	640	456	1 149	1 343	1 317	1 830
Goats inventory	farms	34	36	115	166	211	559
	number	1 788	958	2 572	3 546	4 203	5 846
Goats sold	farms	13	14	47	74	69	195
	number	856	358	1 515	1 664	1 892	2 187
POULTRY							
Chickens 3 months old or older inventory	farms	148	91	370	498	580	1 403
	number	14 682	32 635	20 306	20 912	21 838	39 472
Farms with—							
1 to 399		144	83	363	493	577	1 403
400 to 3,199		4	6	7	5	3	-
3,200 to 9,999		-	-	-	-	-	-
10,000 to 19,999		-	2	-	-	-	-
20,000 to 49,999		-	-	-	-	-	-
50,000 to 99,999		-	-	-	-	-	-
100,000 or more		-	-	-	-	-	-
Hens and pullets of laying age	farms	146	87	368	489	570	1 379
	number	14 473	10 391	19 257	18 761	20 032	35 054
Pullets 3 months old or older not of laying age	farms	11	17	32	68	78	214
	number	209	22 244	1 049	2 151	1 806	4 418
Hens and pullets sold	farms	23	17	38	62	87	163
	number	5 347	33 767	20 383	14 466	13 960	7 486
Broilers and other meat-type chickens sold	farms	39	11	61	68	90	159
	number	36 463	19 707	32 933	9 310	11 952	16 726
Farms with—							
1 to 1,999		37	10	59	68	90	159
2,000 to 59,999		2	1	2	-	-	-
60,000 to 99,999		-	-	-	-	-	-
100,000 or more		-	-	-	-	-	-
Turkey hens kept for breeding	farms	7	-	14	29	31	67
	number	30	-	62	184	112	269
Turkeys sold	farms	16	3	28	37	46	94
	number	677	229	4 645	1 933	1 281	2 759

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$500,000 or more		$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999	$40,000 to $49,999
		$1,000,000 or more	Total				
CROPS HARVESTED							
Corn for grain or seed farms	25 140	90	374	1 135	3 336	3 124	1 014
acres	1 982 401	65 022	207 552	332 642	569 918	311 180	75 280
bushels	189 779 819	7 414 711	22 869 360	34 663 877	56 209 646	29 502 747	6 815 989
Irrigated farms	979	25	91	153	285	164	31
acres	134 704	9 424	30 429	26 968	46 688	16 322	2 618
Farms by acres harvested:							
1 to 24 acres	10 135	2	8	25	184	336	200
25 to 99 acres	9 569	6	26	158	1 115	1 625	552
100 to 249 acres	3 689	9	75	444	1 321	949	241
250 to 499 acres	1 229	18	106	336	544	203	19
500 acres or more	518	55	159	172	172	11	2
Corn for silage or green chop farms	6 704	48	189	570	1 781	1 368	326
acres	294 323	16 037	38 775	54 673	101 923	46 299	8 270
tons, green	3 585 942	273 134	588 598	710 532	1 230 537	506 696	87 441
Irrigated farms	116	3	14	34	37	14	4
acres	5 807	670	1 624	1 936	1 575	310	78
Farms by acres harvested:							
1 to 24 acres	3 137	-	6	48	333	612	190
25 to 99 acres	2 850	5	44	281	1 191	709	130
100 to 249 acres	622	17	87	219	241	45	6
250 to 499 acres	75	17	39	18	15	1	-
500 acres or more	20	9	13	4	1	1	-
Wheat for grain farms	10 327	42	209	593	1 621	1 480	443
acres	356 073	6 194	26 650	46 099	94 171	60 728	13 671
bushels	16 465 394	310 918	1 355 141	2 284 370	4 591 445	2 850 888	621 755
Irrigated farms	80	2	8	14	29	10	-
acres	5 851	(D)	2 641	1 080	1 397	381	-
Farms by acres harvested:							
1 to 24 acres	5 899	5	19	113	439	581	210
25 to 99 acres	3 776	21	104	317	923	798	223
100 to 249 acres	583	12	64	144	235	97	10
250 to 499 acres	58	2	14	17	23	4	-
500 acres or more	11	2	8	2	1	-	-
Oats for grain farms	11 392	17	117	427	1 507	1 530	505
acres	259 445	1 463	8 701	20 506	58 057	42 319	12 692
bushels	14 624 547	74 301	506 801	1 295 807	3 619 033	2 432 203	740 401
Irrigated farms	45	1	2	6	6	5	2
acres	1 003	(D)	(D)	221	290	131	(D)
Soybeans for beans farms	12 734	42	173	500	1 486	1 501	551
acres	1 023 599	9 248	52 560	116 836	260 700	178 677	54 689
bushels	36 267 622	394 326	2 110 362	4 685 043	9 834 326	6 442 584	1 894 232
Irrigated farms	321	6	17	29	108	63	14
acres	24 078	1 120	3 085	2 791	10 570	4 143	716
Farms by acres harvested:							
1 to 24 acres	3 797	1	7	34	119	180	62
25 to 99 acres	5 907	12	40	137	480	571	254
100 to 249 acres	2 220	13	51	167	504	599	217
250 to 499 acres	621	11	41	97	303	143	17
500 acres or more	189	5	34	65	80	8	1
Dry edible beans, excluding dry limas farms	4 098	13	83	261	691	707	226
acres	383 687	5 849	32 374	66 072	108 394	72 302	16 558
cwt	4 931 689	97 215	497 474	891 976	1 403 282	899 984	202 539
Irrigated farms	113	2	10	17	34	16	3
acres	12 318	(D)	2 050	3 433	4 215	1 187	496
Farms by acres harvested:							
1 to 24 acres	1 034	1	3	5	56	67	32
25 to 99 acres	1 802	3	11	47	194	318	135
100 to 249 acres	912	3	22	85	305	286	55
250 to 499 acres	290	2	23	100	126	34	4
500 acres or more	60	4	24	24	10	2	-
Irish potatoes farms	564	8	31	66	113	69	23
acres	44 105	5 459	13 456	12 844	12 007	3 219	514
cwt	10 109 515	1 333 283	3 473 995	3 105 156	2 523 093	627 248	72 614
Irrigated farms	230	6	24	52	64	37	3
acres	23 866	3 244	8 526	7 747	5 755	1 284	65
Farms by acres harvested:							
0.1 to 4.9 acres	204	-	-	-	5	9	10
5.0 to 24.9 acres	73	-	-	1	3	13	3
25.0 to 99.9 acres	125	-	-	7	42	38	10
100.0 to 249.9 acres	116	1	5	40	61	9	-
250.0 acres or more	46	7	26	18	2	-	-
Sugar beets for sugar farms	1 435	10	57	178	413	300	88
acres	138 623	3 781	22 212	37 125	47 115	18 380	3 678
tons	2 759 381	87 083	449 561	758 175	924 909	365 092	71 581
Irrigated farms	40	-	1	8	13	10	-
acres	1 877	-	(D)	(D)	709	389	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) farms	25 983	52	228	784	2 559	2 339	723
acres	1 436 630	13 504	58 796	158 079	354 747	198 853	51 049
tons, dry	3 323 175	49 569	188 893	452 753	912 662	498 663	115 988
Irrigated farms	216	4	23	31	72	17	8
acres	11 710	638	2 496	2 098	3 794	662	119

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		$25,000 to $39,999	$20,000 to $24,999	$10,000 to $19,999	$5,000 to $9,999	$2,500 to $4,999	Less than $2,500
CROPS HARVESTED							
Corn for grain or seed	farms	2 338	1 165	3 956	3 713	2 465	2 520
	acres	139 801	55 357	135 386	68 321	41 190	25 772
	bushels	12 369 175	4 775 295	11 303 231	6 828 929	2 905 702	1 535 868
Irrigated	farms	74	34	72	40	18	16
	acres	5 147	2 038	3 026	1 082	231	153
Farms by acres harvested:							
1 to 24 acres		570	334	1 799	2 315	1 976	2 388
25 to 99 acres		1 357	715	2 023	1 382	488	128
100 to 249 acres		394	116	128	16	1	4
250 to 499 acres		15	-	6	-	-	-
500 acres or more		2	-	-	-	-	-
Corn for silage or green chop	farms	619	228	647	472	258	246
	acres	13 792	5 026	12 614	7 305	3 261	2 385
	tons, green	153 880	59 892	125 242	71 851	28 575	22 718
Irrigated	farms	3	-	4	3	3	-
	acres	112	-	101	46	25	-
Farms by acres harvested:							
1 to 24 acres		430	161	510	389	222	236
25 to 99 acres		178	62	127	82	36	10
100 to 249 acres		11	4	8	1	-	-
250 to 499 acres		-	-	2	-	-	-
500 acres or more		-	1	-	-	-	-
Wheat for grain	farms	1 082	580	1 700	1 367	694	578
	acres	31 550	13 200	34 341	20 899	9 069	5 695
	bushels	1 379 276	586 076	1 481 644	830 328	324 197	180 274
Irrigated	farms	3	1	9	4	2	-
	acres	(D)	(D)	210	(D)	(D)	-
Farms by acres harvested:							
1 to 24 acres		584	357	1 249	1 170	625	552
25 to 99 acres		474	201	444	197	69	26
100 to 249 acres		24	2	7	-	-	-
250 to 499 acres		-	-	-	-	-	-
500 acres or more		-	-	-	-	-	-
Oats for grain	farms	1 178	585	1 874	1 664	1 015	990
	acres	27 853	12 223	31 778	23 087	12 345	9 884
	bushels	1 608 161	583 905	1 675 149	1 125 904	562 970	384 213
Irrigated	farms	1	-	8	8	3	4
	acres	(D)	-	129	71	47	44
Soybeans for beans	farms	1 312	731	2 413	2 075	1 198	794
	acres	102 535	45 654	113 067	63 221	25 779	9 881
	bushels	3 454 119	1 483 636	3 612 920	1 850 299	680 495	219 606
Irrigated	farms	34	11	25	9	6	5
	acres	1 432	330	675	229	63	44
Farms by acres harvested:							
1 to 24 acres		200	127	596	944	810	718
25 to 99 acres		709	487	1 656	1 113	384	76
100 to 249 acres		387	113	160	18	4	-
250 to 499 acres		15	4	1	-	-	-
500 acres or more		1	-	-	-	-	-
Dry edible beans, excluding dry limas	farms	534	249	644	401	185	117
	acres	34 960	12 325	25 247	10 453	3 413	1 589
	cwt	426 871	148 447	303 505	112 330	32 501	12 780
Irrigated	farms	9	2	9	5	5	3
	acres	418	(D)	(D)	126	135	16
Farms by acres harvested:							
1 to 24 acres		96	61	228	237	147	102
25 to 99 acres		333	160	390	162	37	15
100 to 249 acres		103	27	26	2	1	-
250 to 499 acres		2	1	-	-	-	-
500 acres or more		-	-	-	-	-	-
Irish potatoes	farms	56	22	39	47	37	61
	acres	1 179	368	188	128	133	70
	cwt	204 645	37 472	31 329	15 585	9 342	8 036
Irrigated	farms	14	5	5	9	11	6
	acres	272	83	19	9	98	10
Farms by acres harvested:							
0.1 to 4.9 acres		16	10	26	39	32	57
5.0 to 24.9 acres		20	6	13	7	3	4
25.0 to 99.9 acres		20	5	-	1	2	-
100.0 to 249.9 acres		-	1	-	-	-	-
250.0 acres or more		-	-	-	-	-	-
Sugar beets for sugar	farms	177	65	118	27	11	1
	acres	5 593	1 615	2 456	355	(D)	(D)
	tons	108 530	31 709	42 987	5 263	(D)	(D)
Irrigated	farms	5	3	-	-	-	-
	acres	135	80	-	-	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	1 666	880	3 152	3 808	3 439	6 405
	acres	101 687	43 762	136 234	132 061	89 410	111 952
	tons, dry	224 563	96 752	288 247	243 317	152 693	148 644
Irrigated	farms	12	8	24	16	8	27
	acres	543	223	892	470	106	307

See footnotes at end of table.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$500,000 or more		$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999	$40,000 to $49,999
		$1,000,000 or more	Total				
CROPS HARVESTED—Con.							
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)—Con.							
Farms by acres harvested:							
1 to 24 acres	12 059	3	21	75	266	431	179
25 to 99 acres	9 703	16	52	127	791	1 131	369
100 to 249 acres	3 358	13	53	340	1 159	690	158
250 to 499 acres	740	11	74	201	304	76	16
500 acres or more	123	9	28	41	39	11	1
Alfalfa hay farms	22 439	42	190	681	2 332	2 137	658
acres	971 083	5 916	30 449	89 537	218 842	137 600	36 994
tons, dry	2 499 478	26 499	117 869	306 788	659 258	391 062	92 925
Irrigated farms	195	4	16	19	61	13	8
acres	7 561	638	637	910	2 519	524	104
Vegetables harvested for sale (see text) farms	3 267	20	106	213	388	382	129
acres	139 145	18 104	41 796	27 406	27 486	17 469	4 310
Irrigated farms	908	17	73	111	141	138	30
acres	53 780	14 508	27 327	9 982	8 225	4 687	743
Farms by acres harvested:							
0.1 to 4.9 acres	1 067	-	1	12	25	45	14
5.0 to 24.9 acres	1 122	-	6	27	82	91	44
25.0 to 99.9 acres	747	4	23	64	164	207	64
100.0 to 249.9 acres	235	3	26	82	81	37	7
250.0 acres or more	96	13	50	28	16	2	-
Snap beans harvested for sale farms	510	5	15	32	54	69	20
acres	21 198	4 710	6 495	4 037	4 939	2 553	609
Irrigated farms	154	4	14	19	20	19	3
acres	8 557	4 650	5 736	1 247	899	511	24
Land in orchards farms	3 791	14	52	138	334	349	147
acres	161 567	7 291	18 429	31 028	37 880	23 373	8 313
Irrigated farms	504	3	10	41	72	66	31
acres	17 815	2 669	3 715	3 455	3 972	2 427	781
Farms by bearing and nonbearing acres:							
0.1 to 4.9 acres	1 128	1	5	-	12	22	12
5.0 to 24.9 acres	1 261	2	4	13	25	51	31
25.0 to 99.9 acres	942	1	7	23	116	194	81
100.0 to 249.9 acres	365	2	7	56	166	78	22
250.0 acres or more	95	8	29	46	15	4	1
Apples farms	2 516	14	47	122	269	257	100
Bearing and nonbearing acres	73 244	4 188	11 242	15 500	19 264	9 704	2 486
pounds	918 227 402	94 956 400	206 530 139	217 574 984	284 547 639	107 891 938	23 512 793
Cherries, total (see text) farms	1 690	10	32	84	205	222	88
Bearing and nonbearing acres	59 741	2 110	5 249	10 588	12 293	9 508	4 407
pounds	254 177 979	11 259 975	27 102 093	49 190 433	61 626 858	45 931 396	16 483 723
Grapes (see text) farms	989	2	6	22	60	67	35
Bearing and nonbearing acres	11 932	(D)	515	1 413	2 280	1 541	665
Fresh weight pounds	103 130 824	(D)	5 670 114	16 261 424	21 683 166	15 379 861	6 269 440
Berries harvested for sale farms	1 427	7	22	51	129	157	47
acres	17 540	1 030	1 997	2 615	4 195	3 140	635
Irrigated farms	658	6	19	41	95	103	26
acres	8 483	496	1 035	1 624	2 317	1 574	311

See footnotes at end of table.

Table 52. **Summary by Value of Agricultural Products Sold: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $39,999	$20,000 to $24,999	$10,000 to $19,999	$5,000 to $9,999	$2,500 to $4,999	Less than $2,500
CROPS HARVESTED—Con.						
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)—Con.						
Farms by acres harvested:						
1 to 24 acres	551	330	1 298	1 783	2 084	5 041
25 to 99 acres	812	429	1 558	1 821	1 290	1 323
100 to 249 acres	271	111	276	199	63	38
250 to 499 acres	29	10	20	5	2	3
500 acres or more	3	-	-	-	-	-
Alfalfa hay ... farms	1 497	799	2 791	3 320	2 915	5 119
acres	74 520	33 984	103 253	101 223	66 181	78 500
tons, dry	179 268	82 119	234 776	200 810	121 770	112 833
Irrigated ... farms	10	7	23	14	7	17
acres	390	93	726	352	99	207
Vegetables harvested for sale (see text) ... farms	295	128	476	493	324	353
acres	6 726	2 252	5 934	3 668	1 382	736
Irrigated ... farms	61	29	112	81	61	71
acres	1 073	257	767	471	152	96
Farms by acres harvested:						
0.1 to 4.9 acres	63	26	128	205	218	330
5.0 to 24.9 acres	125	71	278	270	105	23
25.0 to 99.9 acres	105	31	70	18	1	-
100.0 to 249.9 acres	2	-	-	-	-	-
250.0 acres or more	-	-	-	-	-	-
Snap beans harvested for sale ... farms	54	21	82	70	45	48
acres	870	361	560	466	87	21
Irrigated ... farms	14	3	21	14	12	15
acres	21	17	57	36	6	4
Land in orchards ... farms	280	162	460	476	412	981
acres	11 534	5 451	9 724	6 028	3 206	6 590
Irrigated ... farms	41	19	57	43	42	82
acres	1 221	253	898	452	250	392
Farms by bearing and nonbearing acres:						
0.1 to 4.9 acres	24	17	90	160	210	576
5.0 to 24.9 acres	78	57	223	242	174	363
25.0 to 99.9 acres	158	80	141	74	28	40
100.0 to 249.9 acres	20	8	6	-	-	2
250.0 acres or more	-	-	-	-	-	-
Apples ... farms	180	106	253	274	258	650
Bearing and nonbearing ... acres	3 944	1 864	2 736	1 933	1 400	3 170
pounds	35 067 953	13 382 235	15 146 833	8 176 521	4 025 612	2 370 755
Cherries, total (see text) ... farms	156	75	188	184	133	323
Bearing and nonbearing ... acres	5 465	2 293	4 497	2 465	1 020	1 956
pounds	21 707 471	7 663 675	14 776 431	6 586 619	2 109 371	999 909
Grapes (see text) ... farms	70	46	145	159	122	257
Bearing and nonbearing ... acres	1 136	726	1 415	1 094	461	668
Fresh weight ... pounds	9 357 474	6 783 338	11 750 148	6 557 600	2 451 747	966 512
Berries harvested for sale ... farms	112	52	192	214	182	269
acres	1 245	502	1 306	883	491	532
Irrigated ... farms	43	26	86	74	62	83
acres	378	183	524	242	148	147

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[1] Data are based on a sample of farms.

[2] Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than $1,000.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Cash grains (011)	Field crops, except cash grains (013)				Vegetables and melons (016)	Fruits and tree nuts (017)
			Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		
FARMS AND LAND IN FARMS								
Farms … number	51 172	15 745	5 654	-	-	5 654	1 758	3 307
percent	100.0	30.8	11.0	-	-	11.0	3.4	6.5
Land in farms … acres	10 316 861	3 960 728	948 433	-	-	948 433	247 069	383 998
Average size of farm … acres	202	252	168	-	-	168	141	116
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales (see text) … farms	51 172	15 745	5 654	-	-	5 654	1 758	3 307
$1,000	2 545 078	480 314	139 370	-	-	139 370	123 817	162 265
Average per farm … dollars	49 736	30 506	24 650	-	-	24 650	70 430	49 067
Farms by value of sales:								
Less than $1,000 (see text)	6 578	818	1 146	-	-	1 146	79	535
$1,000 to $2,499	6 092	1 690	950	-	-	950	150	299
$2,500 to $4,999	6 774	2 272	1 052	-	-	1 052	228	348
$5,000 to $9,999	7 548	3 062	1 007	-	-	1 007	310	401
$10,000 to $19,999	6 617	2 874	589	-	-	589	274	394
$20,000 to $24,999	1 843	789	116	-	-	116	69	155
$25,000 to $39,999	3 525	1 324	205	-	-	205	151	257
$40,000 to $49,999	1 477	505	74	-	-	74	69	136
$50,000 to $99,999	4 322	1 241	182	-	-	182	168	332
$100 000 to $249,999	4 339	924	204	-	-	204	137	304
$250,000 to $499,999	1 469	199	95	-	-	95	72	111
$500,000 to $999,999	433	43	29	-	-	29	42	27
$1,000,000 or more	155	4	5	-	-	5	9	8
Grains … farms	25 844	15 686	1 897	-	-	1 897	436	289
$1,000	578 016	411 012	30 618	-	-	30 618	7 411	2 501
Sales of $50,000 or more … farms	2 952	2 107	179	-	-	179	45	7
$1,000	345 512	257 673	19 123	-	-	19 123	4 750	850
Corn for grain … farms	19 198	12 263	1 308	-	-	1 308	298	181
$1,000	284 853	193 083	14 735	-	-	14 735	3 654	1 743
Wheat … farms	10 011	6 124	506	-	-	506	108	58
$1,000	42 448	27 730	2 256	-	-	2 256	480	137
Soybeans … farms	12 670	9 586	330	-	-	330	170	77
$1,000	172 993	138 275	3 891	-	-	3 891	2 462	531
Sorghum for grain … farms	16	9	-	-	-	-	-	1
$1,000	40	20	-	-	-	-	-	(D)
Barley … farms	658	273	78	-	-	78	2	1
$1,000	2 527	1 054	355	-	-	355	(D)	(D)
Oats … farms	6 373	3 806	639	-	-	639	52	40
$1,000	12 767	8 211	1 361	-	-	1 361	(D)	(D)
Other grains … farms	4 687	3 011	518	-	-	518	83	25
$1,000	62 389	42 639	8 021	-	-	8 021	737	31
Cotton and cottonseed … farms	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-
Sales of $50,000 or more … farms	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-
Tobacco … farms	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-
Sales of $50,000 or more … farms	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-
Hay, silage, and field seeds … farms	11 876	2 782	4 924	-	-	4 924	138	145
$1,000	53 956	9 903	25 982	-	-	25 982	471	373
Sales of $50,000 or more … farms	83	7	40	-	-	40	1	-
$1,000	7 516	673	3 944	-	-	3 944	(D)	-
Vegetables, sweet corn, and melons … farms	3 267	277	120	-	-	120	1 758	424
$1,000	136 925	4 625	2 466	-	-	2 466	104 783	7 237
Sales of $50,000 or more … farms	540	24	17	-	-	17	387	39
$1,000	109 965	2 685	1 610	-	-	1 610	88 918	3 673
Fruits, nuts, and berries … farms	3 926	137	58	-	-	58	291	3 022
$1,000	163 847	716	123	-	-	123	3 566	149 851
Sales of $50,000 or more … farms	795	2	-	-	-	-	21	737
$1,000	131 184	(D)	-	-	-	-	1 853	121 850
Nursery and greenhouse crops … farms	1 543	23	12	-	-	12	104	36
$1,000	215 912	102	109	-	-	109	2 339	418
Sales of $50,000 or more … farms	507	-	1	-	-	1	11	2
$1,000	203 169	-	(D)	-	-	(D)	1 666	(D)
Other crops … farms	2 007	638	812	-	-	812	132	20
$1,000	124 146	25 768	76 710	-	-	76 710	4 109	93
Sales of $50,000 or more … farms	675	172	371	-	-	371	20	-
$1,000	100 597	17 034	68 054	-	-	68 054	3 262	-
Poultry and poultry products … farms	2 063	288	152	-	-	152	59	28
$1,000	116 432	695	37	-	-	37	45	11
Sales of $50,000 or more … farms	182	4	-	-	-	-	-	-
$1,000	114 271	544	-	-	-	-	-	-
Dairy products … farms	5 951	73	9	-	-	9	3	7
$1,000	568 249	3 331	66	-	-	66	27	528
Sales of $50,000 or more … farms	3 618	23	-	-	-	-	-	3
$1,000	512 675	2 571	-	-	-	-	-	407
Cattle and calves … farms	18 164	1 958	699	-	-	699	111	104
$1,000	320 270	14 015	2 185	-	-	2 185	829	819
Sales of $50,000 or more … farms	840	32	-	-	-	-	4	2
$1,000	191 890	3 228	-	-	-	-	391	(D)

See footnotes at end of table.

Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
				Total	Beef cattle, except feedlots (0212)				
FARMS AND LAND IN FARMS									
Farms	number	1 311	2 184	12 124	4 605	5 199	455	2 931	504
	percent	2.6	4.3	23.7	9.0	10.2	.9	5.7	1.0
Land in farms	acres	84 998	399 316	1 945 455	690 389	1 963 269	53 672	139 629	190 294
Average size of farm	acres	65	183	160	150	378	118	48	378
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD									
Total sales (see text)	farms	1 311	2 184	12 124	4 605	5 199	455	2 931	504
	$1,000	218 651	68 615	497 980	65 966	659 535	119 499	33 599	41 432
Average per farm	dollars	166 782	31 417	41 074	14 325	126 858	262 635	11 463	82 207
Farms by value of sales:									
Less than $1,000 (see text)		10	1 251	1 215	651	9	126	1 276	113
$1,000 to $2,499		105	42	2 161	970	7	80	580	28
$2,500 to $4,999		135	90	2 193	1 039	28	29	376	23
$5,000 to $9,999		161	164	2 039	892	72	16	289	27
$10,000 to $19,999		184	173	1 581	565	289	17	199	43
$20,000 to $24,999		58	61	351	102	186	6	31	21
$25,000 to $39,999		110	105	696	167	564	9	67	37
$40,000 to $49,999		46	36	259	40	308	6	21	17
$50,000 to $99,999		150	103	640	77	1 354	38	47	67
$100,000 to $249,999		177	86	574	64	1 770	53	29	81
$250,000 to $499,999		91	55	254	22	512	29	13	38
$500,000 to $999,999		54	16	102	10	89	22	1	8
$1,000,000 or more		30	2	59	6	11	24	2	1
Grains	farms	67	888	3 635	751	2 445	119	71	311
	$1,000	1 302	21 447	45 984	3 587	43 737	3 244	183	10 578
Sales of $50,000 or more	farms	8	107	217	8	201	20	-	61
	$1,000	924	14 218	22 211	942	16 871	2 111	-	6 780
Corn for grain	farms	33	746	2 350	497	1 620	105	39	255
	$1,000	720	11 251	24 249	2 338	26 209	2 639	108	6 461
Wheat	farms	11	373	1 468	172	1 142	39	17	165
	$1,000	22	1 782	4 737	301	4 235	124	14	912
Soybeans	farms	38	309	1 244	106	742	32	17	175
	$1,000	493	4 154	12 288	478	8 700	233	51	1 915
Sorghum for grain	farms	-	1	5	1	-	-	-	-
	$1,000	-	(D)	(D)	(D)	-	-	-	-
Barley	farms	1	41	135	28	104	3	1	19
	$1,000	(D)	(D)	(D)	(D)	385	4	(D)	71
Oats	farms	7	301	862	206	538	20	12	96
	$1,000	(D)	510	1 020	196	1 271	24	(D)	224
Other grains	farms	5	214	397	59	349	15	5	65
	$1,000	62	3 409	3 356	216	2 936	220	3	974
Cotton and cottonseed	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Sales of $50,000 or more	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Tobacco	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Sales of $50,000 or more	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Hay, silage, and field seeds	farms	35	698	2 206	774	518	52	198	180
	$1,000	60	4 235	6 611	1 706	4 330	139	270	1 581
Sales of $50,000 or more	farms	-	6	10	1	16	-	-	3
	$1,000	-	350	1 062	(D)	1 159	-	-	(D)
Vegetables, sweet corn, and melons	farms	116	260	193	36	60	27	4	28
	$1,000	2 008	11 857	2 935	113	483	145	2	383
Sales of $50,000 or more	farms	7	55	8	-	-	1	-	2
	$1,000	1 022	9 824	1 961	-	-	(D)	-	(D)
Fruits, nuts, and berries	farms	58	128	133	36	50	13	16	20
	$1,000	2 938	4 430	910	96	789	(D)	(D)	335
Sales of $50,000 or more	farms	9	12	4	-	6	1	1	2
	$1,000	2 682	3 535	324	-	457	(D)	(D)	(D)
Nursery and greenhouse crops	farms	1 311	29	17	6	5	2	4	-
	$1,000	212 083	635	112	17	45	(D)	(D)	-
Sales of $50,000 or more	farms	488	5	-	-	-	-	-	-
	$1,000	200 858	420	-	-	-	-	-	-
Other crops	farms	17	212	84	11	65	9	-	18
	$1,000	161	10 748	3 985	182	1 528	238	-	806
Sales of $50,000 or more	farms	1	69	27	2	7	1	-	7
	$1,000	(D)	7 956	3 056	(D)	(D)	(D)	-	548
Poultry and poultry products	farms	18	67	732	199	143	446	48	82
	$1,000	12	147	1 239	94	335	113 565	24	322
Sales of $50,000 or more	farms	-	1	8	1	2	164	-	3
	$1,000	-	(D)	898	(D)	(D)	112 330	-	231
Dairy products	farms	1	66	288	120	5 196	6	1	301
	$1,000	(D)	3 103	7 156	2 563	537 151	(D)	(D)	16 175
Sales of $50,000 or more	farms	-	20	36	12	3 429	3	-	104
	$1,000	-	2 233	4 402	1 326	489 875	678	-	12 509
Cattle and calves	farms	15	627	8 961	4 446	5 181	51	91	366
	$1,000	59	7 828	217 041	56 290	67 366	594	185	9 349
Sales of $50,000 or more	farms	-	29	528	149	187	3	-	55
	$1,000	-	3 305	162 675	30 061	15 996	(D)	-	5 739

See footnotes at end of table.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Cash grains (011)	Field crops, except cash grains (013)				Vegetables and melons (016)	Fruits and tree nuts (017)
			Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.								
Total sales (see text)—Con.								
Hogs and pigs ____ farms	5 603	812	116	-	-	116	46	22
$1,000	226 148	9 017	664	-	-	664	157	280
Sales of $50,000 or more ____ farms	994	43	3	-	-	3	-	1
$1,000	184 015	3 823	(D)	-	-	(D)	-	(D)
Sheep, lambs, and wool ____ farms	2 072	327	123	-	-	123	18	19
$1,000	5 632	800	129	-	-	129	29	19
Sales of $50,000 or more ____ farms	8	1	-	-	-	-	-	-
$1,000	786	(D)	-	-	-	-	-	-
Other livestock and livestock products (see text) ____ farms	3 945	254	262	-	-	262	82	79
$1,000	35 546	330	281	-	-	281	52	136
Sales of $50,000 or more ____ farms	91	-	-	-	-	-	-	-
$1,000	22 590	-	-	-	-	-	-	-
FARM PRODUCTION EXPENSES[1]								
Total farm production expenses ____ farms	51 175	16 056	5 627	-	-	5 627	1 778	3 202
$1,000	2 211 823	483 619	131 737	-	-	131 737	102 022	133 084
Average per farm ____ dollars	43 221	30 121	23 412	-	-	23 412	57 380	41 563
Livestock and poultry purchased ____ farms	15 088	2 150	750	-	-	750	208	115
$1,000	190 386	9 530	1 656	-	-	1 656	413	279
Farms with expenses of—								
$1 to $4,999	10 826	1 703	672	-	-	672	198	105
$5,000 to $24,999	3 103	372	67	-	-	67	6	8
$25,000 to $99,999	673	70	11	-	-	11	4	2
$100,000 or more	286	5	-	-	-	-	-	-
Feed for livestock and poultry ____ farms	23 220	2 802	1 276	-	-	1 276	299	220
$1,000	273 192	5 404	1 131	-	-	1 131	207	251
Farms with expenses of—								
$1 to $4,999	16 437	2 606	1 237	-	-	1 237	294	214
$5,000 to $24,999	4 529	169	38	-	-	38	5	5
$25,000 to $99,999	1 905	26	1	-	-	1	-	1
$100,000 or more	349	1	-	-	-	-	-	-
Commercially mixed formula feeds ____ farms	11 999	915	476	-	-	476	134	95
$1,000	153 493	1 843	307	-	-	307	91	153
Farms with expenses of—								
$1 to $4,999	7 909	847	469	-	-	469	130	90
$5,000 to $24,999	3 065	56	7	-	-	7	4	4
$25,000 to $79,999	826	11	-	-	-	-	-	1
$80,000 or more	199	1	-	-	-	-	-	-
Seeds, bulbs, plants, and trees ____ farms	35 507	15 241	2 995	-	-	2 995	1 541	1 164
$1,000	111 695	39 682	10 320	-	-	10 320	6 053	2 649
Farms with expenses of—								
$1 to $999	18 698	7 556	1 983	-	-	1 983	788	662
$1,000 to $4,999	11 636	5 589	600	-	-	600	514	362
$5,000 to $24,999	4 689	1 978	322	-	-	322	181	126
$25,000 or more	484	118	90	-	-	90	58	14
Commercial fertilizer ____ farms	37 298	14 709	3 509	-	-	3 509	1 650	2 671
$1,000	194 526	84 598	17 815	-	-	17 815	8 068	6 304
Farms with expenses of—								
$1 to $4,999	27 886	10 795	2 881	-	-	2 881	1 312	2 320
$5,000 to $24,999	7 757	3 152	427	-	-	427	263	334
$25,000 to $49,999	1 265	587	136	-	-	136	47	15
$50,000 or more	390	175	65	-	-	65	28	2
Agricultural chemicals ____ farms	35 505	14 369	2 800	-	-	2 800	1 552	3 017
$1,000	119 993	42 130	10 152	-	-	10 152	12 598	21 017
Farms with expenses of—								
$1 to $4,999	29 675	12 105	2 393	-	-	2 393	1 107	2 067
$5,000 to $24,999	5 100	2 098	315	-	-	315	332	722
$25,000 to $49,999	513	143	56	-	-	56	64	159
$50,000 or more	217	23	36	-	-	36	49	69
Petroleum products ____ farms	48 558	15 739	5 268	-	-	5 268	1 758	3 083
$1,000	120 621	36 310	8 710	-	-	8 710	5 148	6 757
Farms with expenses of—								
$1 to $4,999	42 313	13 842	4 871	-	-	4 871	1 471	2 698
$5,000 to $24,999	5 863	1 715	368	-	-	368	254	346
$25,000 to $49,999	285	75	22	-	-	22	31	17
$50,000 or more	97	7	7	-	-	7	2	2
Gasoline and gasohol ____ farms	41 658	13 250	4 391	-	-	4 391	1 579	2 745
$1,000	42 655	12 083	3 330	-	-	3 330	2 239	3 485
Diesel fuel ____ farms	29 904	11 207	2 931	-	-	2 931	941	1 720
$1,000	50 970	17 681	4 252	-	-	4 252	1 982	2 105
Natural gas ____ farms	1 941	532	165	-	-	165	61	79
$1,000	9 571	1 090	169	-	-	169	222	272
LP gas, fuel oil, kerosene, motor oil, grease, etc. ____ farms	35 310	12 029	3 117	-	-	3 117	1 243	2 149
$1,000	17 425	5 456	959	-	-	959	706	896

See footnotes at end of table.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
				Total	Beef cattle, except feedlots (0212)				
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.									
Total sales (see text)—Con.									
Hogs and pigs	farms	6	185	3 929	257	340	35	16	96
	$1,000	8	3 804	206 395	840	3 398	669	10	1 748
Sales of $50,000 or more	farms	-	22	899	1	14	5	-	7
	$1,000	-	2 376	174 495	(D)	1 499	457	-	980
Sheep, lambs, and wool	farms	10	73	1 309	157	112	26	38	17
	$1,000	(D)	220	4 210	332	176	(D)	(D)	15
Sales of $50,000 or more	farms	-	1	6	-	-	-	-	-
	$1,000	-	(D)	(D)	-	-	-	-	-
Other livestock and livestock products (see text)	farms	16	70	875	212	147	35	2 063	82
	$1,000	14	161	1 400	148	199	12	32 822	140
Sales of $50,000 or more	farms	-	1	1	-	-	-	89	-
	$1,000	-	(D)	(D)	-	-	-	(D)	-
FARM PRODUCTION EXPENSES[1]									
Total farm production expenses	farms	1 154	2 204	12 259	4 928	5 105	470	2 851	469
	$1,000	164 196	62 304	459 196	71 412	493 352	108 695	36 569	37 049
Average per farm	dollars	142 285	28 268	37 458	14 491	96 641	231 265	12 827	78 996
Livestock and poultry purchased	farms	22	699	7 432	2 285	2 253	394	796	269
	$1,000	21	4 460	134 484	16 886	16 494	15 842	3 252	3 955
Farms with expenses of—									
$1 to $4,999		21	513	5 249	1 807	1 374	238	595	158
$5,000 to $24,999		1	147	1 446	363	744	60	194	58
$25,000 to $99,999		-	35	512	84	126	59	6	46
$100,000 or more		-	4	225	31	9	37	1	5
Feed for livestock and poultry	farms	44	982	9 924	3 540	4 928	434	1 886	425
	$1,000	33	2 693	88 962	11 156	100 826	60 349	8 887	4 449
Farms with expenses of—									
$1 to $4,999		43	871	7 947	3 321	1 054	234	1 696	241
$5,000 to $24,999		1	91	1 243	161	2 640	59	155	123
$25,000 to $99,999		-	19	565	33	1 145	61	28	59
$100,000 or more		-	1	169	25	89	80	7	2
Commercially mixed formula feeds	farms	21	391	3 486	1 004	4 905	434	816	326
	$1,000	16	956	26 218	3 873	57 650	59 717	3 996	2 542
Farms with expenses of—									
$1 to $4,999		20	334	2 854	942	1 935	234	780	216
$5,000 to $24,999		1	53	371	35	2 400	59	22	88
$25,000 to $79,999		-	3	200	16	529	51	13	18
$80,000 or more		-	1	61	11	41	90	1	4
Seeds, bulbs, plants, and trees	farms	809	1 147	7 088	2 186	4 743	173	269	337
	$1,000	20 138	3 812	10 584	1 310	16 620	371	72	1 595
Farms with expenses of—									
$1 to $999		272	684	5 000	1 886	1 279	114	265	95
$1,000 to $4,999		177	319	1 575	269	2 327	34	3	136
$5,000 to $24,999		248	118	481	28	1 109	24	1	101
$25,000 or more		112	26	32	3	28	1	-	5
Commercial fertilizer	farms	829	1 216	7 167	2 385	4 642	185	381	339
	$1,000	2 893	7 325	24 565	3 197	38 011	883	191	3 873
Farms with expenses of—									
$1 to $4,999		735	935	5 983	2 280	2 247	140	380	158
$5,000 to $24,999		66	200	1 018	98	2 120	35	1	141
$25,000 to $49,999		18	61	124	4	236	8	-	33
$50,000 or more		10	20	42	3	39	2	-	7
Agricultural chemicals	farms	964	1 048	6 216	1 748	4 325	191	688	315
	$1,000	3 276	4 116	10 822	1 211	13 640	546	173	1 523
Farms with expenses of—									
$1 to $4,999		884	882	5 664	1 714	3 503	160	687	223
$5,000 to $24,999		72	139	507	31	801	27	1	86
$25,000 to $49,999		16	18	33	2	16	4	-	4
$50,000 or more		12	9	12	1	5	-	-	2
Petroleum products	farms	1 119	1 951	11 459	4 575	5 052	409	2 304	436
	$1,000	10 910	3 789	18 095	3 982	25 556	1 605	1 719	2 021
Farms with expenses of—									
$1 to $4,999		768	1 774	10 675	4 477	3 194	353	2 273	294
$5,000 to $24,999		253	163	743	92	1 816	47	29	129
$25,000 to $49,999		49	12	28	6	33	6	2	10
$50,000 or more		49	2	13	-	9	3	-	3
Gasoline and gasohol	farms	974	1 722	9 821	3 900	4 484	357	1 932	403
	$1,000	1 813	1 519	7 320	2 002	8 691	380	1 050	748
Diesel fuel	farms	480	962	6 176	2 239	4 356	146	693	292
	$1,000	1 516	1 662	7 219	1 331	12 931	315	382	924
Natural gas	farms	343	30	364	106	239	36	55	37
	$1,000	6 112	45	538	87	339	658	39	88
LP gas, fuel oil, kerosene, motor oil, grease, etc.	farms	772	1 245	7 875	2 879	4 919	286	1 294	381
	$1,000	1 469	563	3 018	562	3 596	252	248	262

See footnotes at end of table.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Cash grains (011)	Field crops, except cash grains (013)				Vegetables and melons (016)	Fruits and tree nuts (017)
			Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		
FARM PRODUCTION EXPENSES[1] —Con.								
Total farm production expenses—Con.								
Electricity farms	38 590	11 304	3 757	-	-	3 757	1 276	2 413
$1,000	47 789	7 075	2 598	-	-	2 598	1 888	2 969
Farms with expenses of–								
$1 to $999	28 298	9 552	3 298	-	-	3 298	966	1 746
$1,000 to $4,999	8 382	1 616	382	-	-	382	233	537
$5,000 to $24,999	1 817	134	69	-	-	69	71	124
$25,000 or more	93	2	8	-	-	8	6	6
Hired farm labor farms	18 134	3 952	1 875	-	-	1 875	918	1 895
$1,000	242 445	17 477	12 378	-	-	12 378	25 467	37 447
Farms with expenses of–								
$1 to $4,999	12 177	3 190	1 545	-	-	1 545	403	1 008
$5,000 to $24,999	3 744	615	191	-	-	191	317	425
$25,000 to $99,999	1 856	140	114	-	-	114	133	399
$100,000 or more	357	7	25	-	-	25	65	63
Contract labor farms	4 652	982	444	-	-	444	333	1 000
$1,000	27 733	2 417	1 424	-	-	1 424	4 364	7 238
Farms with expenses of–								
$1 to $999	2 093	495	227	-	-	227	120	314
$1,000 to $4,999	1 582	345	130	-	-	130	97	418
$5,000 to $24,999	806	134	78	-	-	78	85	222
$25,000 or more	171	8	9	-	-	9	31	46
Repair and maintenance farms	43 440	13 818	4 397	-	-	4 397	1 556	2 788
$1,000	152 652	40 014	11 356	-	-	11 356	6 585	9 849
Farms with expenses of–								
$1 to $4,999	35 400	11 700	3 902	-	-	3 902	1 243	2 197
$5,000 to $24,999	7 271	1 992	428	-	-	428	261	546
$25,000 to $49,999	599	109	52	-	-	52	32	34
$50,000 or more	170	17	15	-	-	15	20	11
Customwork, machine hire, and rental of machinery and equipment farms	17 732	6 303	1 619	-	-	1 619	533	1 035
$1,000	34 043	10 526	3 628	-	-	3 628	2 010	2 533
Farms with expenses of–								
$1 to $999	10 922	3 759	1 026	-	-	1 026	281	502
$1,000 to $4,999	5 482	2 156	468	-	-	468	158	404
$5,000 to $24,999	1 208	362	102	-	-	102	82	119
$25,000 or more	120	26	23	-	-	23	12	10
Interest expense farms	25 197	7 870	2 208	-	-	2 208	780	1 541
$1,000	197 966	52 867	14 919	-	-	14 919	6 536	10 510
Farms with expenses of–								
$1 to $4,999	16 167	5 114	1 587	-	-	1 587	519	987
$5,000 to $24,999	7 257	2 318	491	-	-	491	206	483
$25,000 to $99,999	1 658	417	120	-	-	120	48	64
$100,000 or more	115	21	10	-	-	10	7	7
Secured by real estate farms	19 208	5 824	1 627	-	-	1 627	599	1 220
$1,000	143 627	38 001	11 649	-	-	11 649	4 786	8 489
Farms with expenses of–								
$1 to $999	3 710	1 089	375	-	-	375	114	195
$1,000 to $4,999	8 262	2 555	724	-	-	724	280	558
$5,000 to $24,999	6 052	1 898	425	-	-	425	164	408
$25,000 or more	1 184	282	103	-	-	103	41	59
Not secured by real estate farms	13 182	4 228	1 033	-	-	1 033	388	677
$1,000	54 339	14 866	3 271	-	-	3 271	1 750	2 021
Farms with expenses of–								
$1 to $999	5 228	1 691	551	-	-	551	161	264
$1,000 to $4,999	5 274	1 727	330	-	-	330	153	321
$5,000 to $24,999	2 336	733	131	-	-	131	62	86
$25,000 or more	344	77	21	-	-	21	12	6
Cash rent farms	15 070	5 926	1 146	-	-	1 146	509	402
$1,000	101 910	47 207	8 659	-	-	8 659	3 897	2 377
Farms with expenses of–								
$1 to $4,999	10 324	3 799	804	-	-	804	369	294
$5,000 to $9,999	2 078	851	157	-	-	157	38	37
$10,000 to $24,999	1 738	803	95	-	-	95	62	52
$25,000 or more	930	473	90	-	-	90	40	19
Property taxes farms	48 191	14 539	5 343	-	-	5 343	1 641	3 101
$1,000	157 280	53 408	14 546	-	-	14 546	5 453	9 154
Farms with expenses of–								
$1 to $4,999	40 046	11 519	4 776	-	-	4 776	1 381	2 648
$5,000 to $9,999	5 386	2 080	353	-	-	353	148	319
$10,000 to $24,999	2 444	837	193	-	-	193	94	114
$25,000 or more	315	103	21	-	-	21	18	20
All other farm production expenses farms	46 567	14 356	4 959	-	-	4 959	1 634	2 903
$1,000	239 391	34 974	12 445	-	-	12 445	13 335	13 749
Farms with expenses of–								
$1 to $4,999	38 311	12 794	4 570	-	-	4 570	1 293	2 284
$5,000 to $24,999	6 496	1 394	302	-	-	302	248	501
$25,000 to $49,999	1 117	131	57	-	-	57	41	85
$50,000 or more	643	37	30	-	-	30	52	33

See footnotes at end of table.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
			Total	Beef cattle, except feedlots (0212)				
FARM PRODUCTION EXPENSES[1] —Con.								
Total farm production expenses—Con.								
Electricity farms	940	1 328	9 721	3 748	5 033	393	2 044	381
$1,000	3 562	1 036	7 970	1 720	16 689	2 048	1 163	792
Farms with expenses of—								
$1 to $999	563	1 077	8 056	3 485	851	217	1 800	172
$1,000 to $4,999	245	226	1 443	239	3 204	101	233	162
$5,000 to $24,999	111	23	204	23	964	60	10	47
$25,000 or more	21	2	18	1	14	15	1	-
Hired farm labor farms	653	553	3 757	1 279	3 343	188	750	250
$1,000	57 520	6 207	21 841	2 577	49 029	8 256	3 626	3 198
Farms with expenses of—								
$1 to $4,999	195	397	3 118	1 193	1 427	93	666	135
$5,000 to $24,999	162	100	415	65	1 331	44	64	80
$25,000 to $99,999	195	48	195	21	544	37	18	33
$100,000 or more	101	8	29	-	41	14	2	2
Contract labor farms	165	192	668	228	496	57	259	36
$1,000	5 214	1 111	1 466	392	2 155	1 749	384	211
Farms with expenses of—								
$1 to $999	62	99	445	154	156	16	158	1
$1,000 to $4,999	54	41	148	60	215	15	98	23
$5,000 to $24,999	39	41	66	10	112	16	1	12
$25,000 or more	30	11	11	4	13	10	2	-
Repair and maintenance farms	1 032	1 730	10 335	4 025	4 741	394	2 234	415
$1,000	8 164	4 800	24 418	5 537	39 120	2 216	3 227	2 903
Farms with expenses of—								
$1 to $4,999	757	1 519	9 269	3 854	2 122	320	2 111	260
$5,000 to $24,999	207	185	972	163	2 375	57	115	133
$25,000 to $49,999	36	18	70	6	212	11	6	19
$50,000 or more	32	8	24	2	32	6	2	3
Customwork, machine hire, and rental of machinery and equipment farms	198	613	4 053	1 286	2 589	131	437	221
$1,000	1 988	1 264	4 234	750	6 014	601	710	535
Farms with expenses of—								
$1 to $999	92	413	3 137	1 083	1 148	87	379	98
$1,000 to $4,999	67	149	733	166	1 162	32	52	101
$5,000 to $24,999	25	46	177	17	261	8	5	21
$25,000 or more	14	5	6	-	18	4	1	1
Interest expense farms	583	949	5 634	1 736	3 864	245	1 205	318
$1,000	7 695	6 670	36 400	6 081	51 737	3 566	3 007	4 059
Farms with expenses of—								
$1 to $4,999	353	657	4 064	1 396	1 534	150	1 049	153
$5,000 to $24,999	175	229	1 271	316	1 746	58	153	127
$25,000 to $99,999	46	61	272	22	563	29	2	36
$100,000 or more	9	2	27	2	21	8	1	2
Secured by real estate farms	423	795	4 412	1 349	2 976	178	906	248
$1,000	5 794	5 213	25 105	4 338	36 881	2 731	2 197	2 780
Farms with expenses of—								
$1 to $999	52	169	1 065	376	318	32	272	29
$1,000 to $4,999	208	373	2 136	743	751	77	521	79
$5,000 to $24,999	122	214	1 028	214	1 522	45	111	115
$25,000 or more	41	39	183	16	385	24	2	25
Not secured by real estate farms	307	432	2 948	881	2 312	128	564	165
$1,000	1 901	1 457	11 295	1 743	14 856	835	810	1 278
Farms with expenses of—								
$1 to $999	113	247	1 313	452	482	61	306	39
$1,000 to $4,999	122	102	1 203	352	974	30	251	61
$5,000 to $24,999	55	71	353	71	755	30	5	55
$25,000 or more	17	12	79	6	101	7	2	10
Cash rent farms	184	463	2 844	804	3 232	66	121	177
$1,000	1 971	3 702	11 886	1 189	19 153	935	215	1 907
Farms with expenses of—								
$1 to $4,999	133	332	2 269	759	2 075	39	118	92
$5,000 to $9,999	17	34	256	19	639	10	2	37
$10,000 to $24,999	20	55	216	22	403	7	-	25
$25,000 or more	14	42	103	4	115	10	1	23
Property taxes farms	1 088	2 120	11 864	4 805	4 881	459	2 698	457
$1,000	4 073	6 205	29 017	9 107	27 008	1 644	4 275	2 497
Farms with expenses of—								
$1 to $4,999	900	1 845	10 745	4 575	2 902	385	2 649	296
$5,000 to $9,999	103	170	759	169	1 291	43	35	85
$10,000 to $24,999	71	82	310	57	641	23	13	66
$25,000 or more	14	23	50	4	47	8	1	10
All other farm production expenses farms	1 075	1 825	11 284	4 328	5 098	429	2 585	439
$1,000	36 740	5 114	34 463	6 318	71 298	8 084	5 668	3 531
Farms with expenses of—								
$1 to $4,999	656	1 654	10 100	4 135	1 927	320	2 432	281
$5,000 to $24,999	241	140	959	171	2 371	80	140	120
$25,000 to $49,999	78	19	131	14	532	10	4	29
$50,000 or more	100	12	94	8	268	19	9	9

See footnotes at end of table.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Total	Cash grains (011)	Field crops, except cash grains (013)				Vegetables and melons (016)	Fruits and tree nuts (017)
				Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT[1]									
All farms	number	51 175	16 056	5 627	-	-	5 627	1 778	3 202
	$1,000	319 953	-375	11 442	-	-	11 442	21 450	29 810
Average per farm	dollars	6 252	-23	2 033	-	-	2 033	12 064	9 310
Farms with net gains[2]	number	21 623	5 800	2 251	-	-	2 251	1 075	1 523
Average net gain	dollars	23 491	12 006	12 369	-	-	12 369	24 347	27 056
Gain of—									
Less than $1,000		3 082	1 258	438	-	-	438	86	161
$1,000 to $9,999		9 235	2 959	1 187	-	-	1 187	550	608
$10,000 to $49,999		6 613	1 280	516	-	-	516	326	539
$50,000 or more		2 693	303	110	-	-	110	113	215
Farms with net losses	number	29 552	10 256	3 376	-	-	3 376	703	1 679
Average net loss	dollars	6 362	6 826	4 858	-	-	4 858	6 718	6 787
Loss of—									
Less than $1,000		4 347	1 411	660	-	-	660	124	236
$1,000 to $9,999		20 539	6 987	2 388	-	-	2 388	474	1 164
$10,000 to $49,999		4 375	1 738	297	-	-	297	93	254
$50,000 or more		291	120	31	-	-	31	12	25
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME									
Government payments	farms	19 666	9 628	1 537	-	-	1 537	335	339
	$1,000	223 470	117 079	13 054	-	-	13 054	3 311	1 833
Other farm-related income[1]	farms	11 845	3 956	1 397	-	-	1 397	433	812
	$1,000	37 093	13 089	3 197	-	-	3 197	1 388	4 150
Customwork and other agricultural services	farms	4 489	1 902	527	-	-	527	121	268
	$1,000	14 787	6 526	1 243	-	-	1 243	483	1 480
Gross cash rent or share payments	farms	3 973	1 311	595	-	-	595	172	274
	$1,000	10 076	4 188	1 222	-	-	1 222	427	413
Forest products and Christmas trees	farms	1 731	365	224	-	-	224	88	166
	$1,000	5 537	995	365	-	-	365	252	710
Other farm-related income sources	farms	3 533	862	249	-	-	249	121	319
	$1,000	6 693	1 380	367	-	-	367	225	1 547
COMMODITY CREDIT CORPORATION LOANS									
Total	farms	7 081	3 872	339	-	-	339	72	57
	$1,000	151 146	92 255	6 806	-	-	6 806	1 627	931
Corn	farms	6 720	3 735	328	-	-	328	70	51
	$1,000	135 370	81 491	6 459	-	-	6 459	1 473	834
Wheat	farms	522	319	24	-	-	24	5	2
	$1,000	2 150	1 245	107	-	-	107	24	(D)
Soybeans	farms	542	435	18	-	-	18	6	-
	$1,000	11 105	9 367	231	-	-	231	130	-
Sorghum, barley, and oats	farms	177	83	9	-	-	9	-	-
	$1,000	351	142	(D)	-	-	(D)	-	-
Cotton	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey	farms	169	7	2	-	-	2	-	5
	$1,000	2 170	9	(D)	-	-	(D)	-	(D)
LAND IN FARMS ACCORDING TO USE									
Total cropland	farms	48 653	15 745	5 654	-	-	5 654	1 758	3 307
	acres	8 181 320	3 408 434	702 415	-	-	702 415	193 472	258 475
Harvested cropland	farms	46 017	15 745	5 654	-	-	5 654	1 758	3 307
	acres	6 172 468	2 658 919	526 514	-	-	526 514	149 929	189 017
Farms by acres harvested:									
1 to 49 acres		21 716	5 463	3 381	-	-	3 381	1 186	2 295
50 to 99 acres		8 682	3 767	1 151	-	-	1 151	234	471
100 to 199 acres		6 866	2 914	560	-	-	560	154	343
200 to 499 acres		6 088	2 359	361	-	-	361	121	159
500 to 999 acres		2 075	924	144	-	-	144	46	33
1,000 to 1,999 acres		518	278	46	-	-	46	17	6
2,000 acres or more		72	40	11	-	-	11	-	-
Cropland:									
Pasture or grazing only	farms	16 096	2 102	1 431	-	-	1 431	182	293
	acres	518 589	52 569	35 307	-	-	35 307	3 344	7 262
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured	farms	10 093	4 428	1 071	-	-	1 071	360	552
	acres	440 552	218 992	44 719	-	-	44 719	11 936	14 742
On which all crops failed	farms	3 746	1 196	485	-	-	485	244	120
	acres	90 181	34 959	11 819	-	-	11 819	4 816	1 800
In cultivated summer fallow	farms	5 130	1 937	609	-	-	609	159	258
	acres	139 260	62 519	15 671	-	-	15 671	2 740	4 793
Idle	farms	17 994	6 936	1 835	-	-	1 835	655	1 388
	acres	820 270	380 476	68 385	-	-	68 385	20 707	40 861
Total woodland	farms	27 107	7 932	3 056	-	-	3 056	731	1 698
	acres	1 253 543	303 431	157 423	-	-	157 423	29 119	70 972
Woodland pastured	farms	6 101	994	501	-	-	501	72	145
	acres	229 240	30 931	16 942	-	-	16 942	1 979	5 492
Woodland not pastured	farms	23 871	7 347	2 767	-	-	2 767	687	1 596
	acres	1 024 303	272 500	140 481	-	-	140 481	27 140	65 480

See footnotes at end of table.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
				Total	Beef cattle, except feedlots (0212)				
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT[1]									
All farms	number	1 154	2 204	12 259	4 928	5 105	470	2 851	469
	$1,000	48 175	2 937	34 113	-4 462	161 109	9 789	-4 605	6 108
Average per farm	dollars	41 746	1 333	2 783	-905	31 559	20 827	-1 615	13 023
Farms with net gains[2]	number	891	426	4 256	1 439	4 466	145	550	240
Average net gain	dollars	56 682	30 237	18 812	7 903	37 793	86 450	17 644	35 949
Gain of—									
Less than $1,000		39	48	860	414	83	16	90	3
$1,000 to $9,999		326	208	2 115	781	863	39	331	49
$10,000 to $49,999		279	105	878	200	2 400	52	95	143
$50,000 or more		247	65	403	44	1 120	38	34	45
Farms with net losses	number	263	1 778	8 003	3 489	639	325	2 301	229
Average net loss	dollars	8 851	5 593	5 742	4 538	12 013	8 451	6 219	11 003
Loss of—									
Less than $1,000		60	164	1 382	651	85	32	179	14
$1,000 to $9,999		145	1 388	5 552	2 538	336	254	1 697	154
$10,000 to $49,999		53	215	1 028	292	198	25	422	52
$50,000 or more		5	11	41	8	20	14	3	9
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME									
Government payments	farms	46	708	3 703	827	2 924	105	86	255
	$1,000	328	8 606	34 282	4 386	34 806	1 635	217	8 320
Other farm-related income[1]	farms	212	424	2 489	958	1 306	141	553	122
	$1,000	1 216	1 171	6 835	2 035	3 750	334	1 206	756
Customwork and other agricultural services	farms	42	165	784	292	485	32	113	50
	$1,000	258	552	2 312	632	1 323	123	253	232
Gross cash rent or share payments	farms	81	158	963	381	67	66	237	29
	$1,000	164	275	2 608	763	177	135	379	87
Forest products and Christmas trees	farms	75	38	462	219	231	13	43	26
	$1,000	568	48	1 107	543	1 091	23	50	328
Other farm-related income sources	farms	40	132	727	170	803	32	185	63
	$1,000	227	296	808	97	1 159	52	524	106
COMMODITY CREDIT CORPORATION LOANS									
Total	farms	8	246	1 064	96	1 127	42	154	100
	$1,000	341	4 949	19 931	902	16 905	1 849	2 094	3 459
Corn	farms	7	243	1 036	91	1 100	41	10	99
	$1,000	(D)	4 248	18 808	891	16 445	(D)	56	3 374
Wheat	farms	1	23	59	5	75	4	-	10
	$1,000	(D)	364	136	6	218	7	-	47
Soybeans	farms	-	14	50	1	16	-	-	3
	$1,000	-	314	875	(D)	158	-	-	30
Sorghum, barley, and oats	farms	-	8	25	9	46	1	-	5
	$1,000	-	23	85	3	85	(D)	-	8
Cotton	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey	farms	-	-	9	2	-	-	146	-
	$1,000	-	-	27	(D)	-	-	2 039	-
LAND IN FARMS ACCORDING TO USE									
Total cropland	farms	1 311	2 184	10 852	4 137	5 071	350	1 939	482
	acres	55 782	313 797	1 369 373	406 537	1 620 771	41 275	63 700	153 826
Harvested cropland	farms	1 311	2 060	9 566	3 560	4 982	274	920	440
	acres	33 456	231 781	885 326	212 032	1 331 705	26 136	20 334	119 349
Farms by acres harvested:									
1 to 49 acres		1 200	1 319	5 373	2 254	356	185	833	125
50 to 99 acres		41	230	1 935	757	697	33	62	61
100 to 199 acres		37	226	1 220	376	1 303	22	21	66
200 to 499 acres		19	179	755	151	1 997	21	3	114
500 to 999 acres		12	79	216	17	557	10	-	54
1,000 to 1,999 acres		1	24	59	5	67	3	1	16
2,000 acres or more		1	3	8	-	5	-	-	4
Cropland:									
Pasture or grazing only	farms	94	894	6 460	2 928	2 860	124	1 373	283
	acres	2 058	19 240	238 507	134 993	120 851	2 230	27 158	10 063
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured	farms	129	424	1 848	512	954	67	153	107
	acres	5 929	17 141	69 012	13 987	43 724	3 699	2 998	7 660
On which all crops failed	farms	47	319	749	266	425	38	86	37
	acres	682	7 757	13 702	4 019	11 373	768	1 084	1 421
In cultivated summer fallow	farms	69	241	1 120	391	587	28	63	59
	acres	1 264	5 085	24 160	7 556	18 865	679	1 152	2 292
Idle	farms	370	792	3 429	1 038	1 824	143	420	202
	acres	12 371	32 793	138 666	33 950	94 233	7 763	10 974	13 041
Total woodland	farms	407	1 214	6 983	2 883	3 473	196	1 119	298
	acres	14 262	50 205	348 244	183 976	217 846	6 291	37 793	17 957
Woodland pastured	farms	44	285	2 616	1 352	977	36	340	91
	acres	1 657	6 577	104 981	70 605	46 979	903	9 067	3 712
Woodland not pastured	farms	375	1 056	5 654	2 212	3 060	173	896	250
	acres	12 605	43 628	243 263	113 371	170 867	5 388	28 706	14 245

See footnotes at end of table.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Cash grains (011)	Field crops, except cash grains (013)				Vegetables and melons (016)	Fruits and tree nuts (017)
			Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		
LAND IN FARMS ACCORDING TO USE—Con.								
Pastureland and rangeland other than cropland and woodland pastured ... farms	6 852	1 267	692	-	-	692	108	220
acres	230 074	40 964	15 216	-	-	15 216	2 828	5 174
Land in house lots, ponds, roads, wasteland, etc. ... farms	37 216	10 984	4 040	-	-	4 040	1 210	2 553
acres	651 924	207 899	73 379	-	-	73 379	21 650	49 377
Cropland under federal acreage reduction programs:								
Annual commodity acreage adjustment programs ... farms	16 012	8 693	1 013	-	-	1 013	222	145
acres	751 325	428 314	39 102	-	-	39 102	8 778	4 141
Conservation reserve program ... farms	851	401	94	-	-	94	12	23
acres	38 874	18 124	4 629	-	-	4 629	333	1 354
Value of land and buildings[1] ... farms	51 175	16 056	5 627	-	-	5 627	1 778	3 202
$1,000	10 033 617	3 747 261	877 208	-	-	877 208	327 270	616 779
Average per farm ... dollars	196 065	233 387	155 893	-	-	155 893	184 066	192 623
Average per acre ... dollars	971	935	922	-	-	922	1 285	1 614
Farms by value group:								
$1 to $39,999	6 878	1 568	797	-	-	797	346	475
$40,000 to $69,999	9 417	2 461	1 293	-	-	1 293	336	561
$70,000 to $99,999	8 555	2 611	1 205	-	-	1 205	347	511
$100,000 to $149,999	7 959	2 711	967	-	-	967	213	401
$150,000 to $199,999	4 711	1 695	353	-	-	353	111	301
$200,000 to $499,999	9 376	3 242	722	-	-	722	271	679
$500,000 to $999,999	3 044	1 202	204	-	-	204	97	207
$1,000,000 to $1,999,999	975	441	68	-	-	68	49	50
$2,000,000 to $4,999,999	237	117	16	-	-	16	8	17
$5,000,000 or more	23	8	2	-	-	2	-	-
VALUE OF MACHINERY AND EQUIPMENT[1]								
Estimated market value of all machinery and equipment ... farms	51 085	16 042	5 612	-	-	5 612	1 778	3 197
$1,000	2 347 585	793 291	189 381	-	-	189 381	90 914	150 516
Farms by value group:								
$1 to $4,999	4 330	807	548	-	-	548	182	329
$5,000 to $9,999	10 003	2 426	1 554	-	-	1 554	270	483
$10,000 to $19,999	9 792	3 128	1 356	-	-	1 356	323	600
$20,000 to $49,999	12 783	4 538	1 255	-	-	1 255	546	854
$50,000 to $99,999	7 353	2 842	437	-	-	437	201	507
$100,000 to $199,999	4 551	1 586	287	-	-	287	143	298
$200,000 to $499,999	2 063	671	150	-	-	150	97	112
$500,000 or more	210	44	25	-	-	25	16	14
SELECTED MACHINERY AND EQUIPMENT[1]								
Motortrucks, including pickups ... farms	43 238	13 706	4 358	-	-	4 358	1 625	2 700
number	77 231	25 888	7 563	-	-	7 563	3 580	5 354
Wheel tractors ... farms	47 507	15 387	5 216	-	-	5 216	1 683	2 962
number	143 734	47 302	13 365	-	-	13 365	6 185	9 472
Less than 40 horsepower (PTO) ... farms	29 681	8 628	3 385	-	-	3 385	1 254	2 168
number	51 330	14 572	5 478	-	-	5 478	2 940	4 321
40 horsepower (PTO) or more ... farms	36 848	13 422	3 693	-	-	3 693	1 164	2 071
number	92 404	32 730	7 887	-	-	7 887	3 245	5 151
Grain and bean combines ... farms	20 160	10 248	1 604	-	-	1 604	320	178
number	23 587	12 415	1 910	-	-	1 910	385	190
Cottonpickers and strippers ... farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Mower conditioners ... farms	19 528	4 108	2 770	-	-	2 770	245	479
number	21 051	4 271	2 976	-	-	2 976	285	620
Pickup balers ... farms	21 716	5 081	3 015	-	-	3 015	211	252
number	24 924	5 407	3 385	-	-	3 385	213	258
AGRICULTURAL CHEMICALS[1]								
Commercial fertilizer ... farms	37 282	14 709	3 509	-	-	3 509	1 650	2 671
acres on which used	5 300 902	2 488 820	406 113	-	-	406 113	148 448	158 740
Lime ... farms	6 799	2 108	622	-	-	622	373	469
acres on which used	301 302	114 905	19 378	-	-	19 378	17 176	13 807
tons	566 902	209 791	30 721	-	-	30 721	32 074	25 210
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ... farms	15 082	5 033	1 129	-	-	1 129	1 344	2 447
acres on which used	1 532 318	606 025	122 625	-	-	122 625	94 631	135 526
Nematodes in crops ... farms	2 132	753	160	-	-	160	145	332
acres on which used	205 371	90 944	23 330	-	-	23 330	9 405	6 556
Diseases in crops and orchards ... farms	5 320	787	433	-	-	433	712	2 211
acres on which used	336 227	53 782	42 350	-	-	42 350	60 856	124 664
Weeds, grass, or brush in crops and pasture ... farms	27 595	12 159	2 074	-	-	2 074	1 054	1 876
acres on which used	3 800 607	2 012 504	290 228	-	-	290 228	103 836	106 188
Chemicals for defoliation or for growth control of crops or thinning of fruit ... farms	2 204	381	223	-	-	223	167	911
acres on which used	118 970	22 159	17 640	-	-	17 640	8 148	45 463

See footnotes at end of table.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
				Total	Beef cattle, except feedlots (0212)				
LAND IN FARMS ACCORDING TO USE—Con.									
Pastureland and rangeland other than cropland and woodland pastured	farms	77	368	2 400	1 046	857	55	710	98
	acres	2 340	9 348	91 020	49 387	37 614	811	16 689	8 070
Land in house lots, ponds, roads, wasteland, etc.	farms	901	1 621	9 021	3 317	3 902	378	2 230	376
	acres	12 614	25 966	136 818	50 439	87 038	5 295	21 447	10 441
Cropland under federal acreage reduction programs:									
Annual commodity acreage adjustment programs	farms	18	556	2 631	437	2 410	80	28	216
	acres	786	26 769	112 429	8 205	108 910	5 204	417	16 475
Conservation reserve program	farms	9	44	186	52	52	6	14	10
	acres	397	1 428	8 394	2 373	2 624	209	841	541
Value of land and buildings[1]	farms	1 154	2 204	12 259	4 928	5 105	470	2 851	469
	$1,000	263 602	381 640	1 740 192	566 503	1 551 153	89 255	278 616	160 641
Average per farm	dollars	228 425	173 158	141 952	114 956	303 850	189 904	97 726	342 518
Average per acre	dollars	3 677	986	886	790	798	1 689	2 199	838
Farms by value group:									
$1 to $39,999		213	312	2 066	845	187	100	783	31
$40,000 to $69,999		163	603	2 929	1 328	295	102	608	66
$70,000 to $99,999		162	397	2 281	966	425	87	477	52
$100,000 to $149,999		214	260	1 902	776	686	58	498	49
$150,000 to $199,999		117	135	1 057	379	668	34	209	31
$200,000 to $499,999		177	368	1 483	526	1 999	47	250	138
$500,000 to $999,999		63	72	398	89	697	27	14	63
$1,000,000 to $1,999,999		31	49	110	13	122	11	9	35
$2,000,000 to $4,999,999		8	7	30	5	25	4	1	4
$5,000,000 or more		6	1	3	1	1	-	2	-
VALUE OF MACHINERY AND EQUIPMENT[1]									
Estimated market value of all machinery and equipment	farms	1 146	2 199	12 232	4 901	5 105	470	2 835	469
	$1,000	63 112	80 162	389 519	112 366	482 979	27 040	43 944	36 727
Farms by value group:									
$1 to $4,999		160	248	1 384	559	99	73	466	34
$5,000 to $9,999		202	786	2 827	1 397	170	142	1 039	104
$10,000 to $19,999		174	385	2 692	1 151	394	84	626	30
$20,000 to $49,999		346	359	3 155	1 282	1 035	66	575	54
$50,000 to $99,999		134	236	1 327	348	1 423	41	100	105
$100,000 to $199,999		65	108	572	124	1 343	32	19	98
$200,000 to $499,999		47	63	249	35	605	22	9	38
$500,000 or more		18	14	26	5	36	10	1	6
SELECTED MACHINERY AND EQUIPMENT[1]									
Motortrucks, including pickups	farms	948	1 665	10 355	3 929	4 737	372	2 338	434
	number	2 407	2 892	15 830	5 440	9 021	654	3 182	860
Wheel tractors	farms	996	2 078	11 231	4 505	4 925	394	2 168	469
	number	3 123	5 697	29 719	10 864	22 277	1 024	3 560	2 010
Less than 40 horsepower (PTO)	farms	760	1 485	7 181	3 097	2 577	274	1 677	292
	number	1 651	2 461	12 040	5 176	4 685	420	2 218	544
40 horsepower (PTO) or more	farms	539	1 390	8 307	3 125	4 683	269	902	408
	number	1 472	3 236	17 679	5 688	17 592	604	1 342	1 466
Grain and bean combines	farms	86	639	3 829	1 134	2 715	134	151	256
	number	87	774	4 199	1 226	3 032	147	158	290
Cottonpickers and strippers	farms	-	-	-	-	-	-	-	-
	number	-	-	-	-	-	-	-	-
Mower conditioners	farms	114	965	5 686	2 581	4 300	106	447	308
	number	149	1 028	6 057	2 727	4 700	112	503	350
Pickup balers	farms	78	1 108	6 656	2 961	4 414	124	417	360
	number	84	1 229	7 663	3 436	5 609	127	467	482
AGRICULTURAL CHEMICALS[1]									
Commercial fertilizer	farms	829	1 214	7 161	2 385	4 641	178	381	339
	acres on which used	28 271	181 028	684 351	116 439	1 065 500	23 482	7 726	108 413
Lime	farms	69	217	1 406	458	1 342	24	99	70
	acres on which used	1 984	11 474	48 709	10 981	67 216	742	1 508	4 403
	tons	3 482	26 003	90 948	19 685	135 993	1 128	2 905	8 647
Sprays, dusts, granules, fumigants, etc., to control—									
Insects on hay and other crops	farms	744	424	1 954	439	1 704	67	105	131
	acres on which used	14 033	51 844	195 021	21 874	268 995	11 142	1 222	31 254
Nematodes in crops	farms	97	55	259	43	295	6	9	21
	acres on which used	1 482	3 793	28 548	2 149	36 677	581	9	4 046
Diseases in crops and orchards	farms	436	158	304	108	198	34	28	19
	acres on which used	6 906	19 922	8 522	1 164	16 490	486	267	1 982
Weeds, grass, or brush in crops and pasture	farms	570	723	4 775	1 218	3 678	144	293	249
	acres on which used	20 566	128 828	451 223	49 143	596 712	19 195	4 741	66 586
Chemicals for defoliation or for growth control of crops or thinning of fruit	farms	117	86	156	25	147	11	-	5
	acres on which used	1 444	4 294	7 458	1 275	10 967	48	-	1 349

See footnotes at end of table.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Total	Cash grains (011)	Field crops, except cash grains (013)				Vegetables and melons (016)	Fruits and tree nuts (017)
				Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		
TENURE AND RACE OF OPERATOR									
All operators		51 172	15 745	5 654	-	-	5 654	1 758	3 307
Full owners		31 186	8 239	4 044	-	-	4 044	1 096	2 685
Part owners		16 903	6 032	1 358	-	-	1 358	517	503
Tenants		3 083	1 474	252	-	-	252	145	119
White		50 880	15 683	5 631	-	-	5 631	1 731	3 262
Full owners		30 964	8 199	4 028	-	-	4 028	1 076	2 643
Part owners		16 843	6 013	1 353	-	-	1 353	513	500
Tenants		3 073	1 471	250	-	-	250	142	119
Black and other races		292	62	23	-	-	23	27	45
Full owners		222	40	16	-	-	16	20	42
Part owners		60	19	5	-	-	5	4	3
Tenants		10	3	2	-	-	2	3	-
OWNED AND RENTED LAND									
Land owned	farms	48 162	14 313	5 411	-	-	5 411	1 616	3 189
	acres	7 097 326	2 345 057	729 594	-	-	729 594	176 052	349 288
Owned land in farms	farms	48 089	14 271	5 402	-	-	5 402	1 613	3 188
	acres	6 754 515	2 229 050	685 360	-	-	685 360	165 828	332 254
Land rented or leased from others	farms	20 096	7 539	1 621	-	-	1 621	666	627
	acres	3 587 514	1 738 255	264 750	-	-	264 750	82 604	52 484
Rented or leased land in farms	farms	19 986	7 506	1 610	-	-	1 610	662	622
	acres	3 562 346	1 731 678	263 073	-	-	263 073	81 241	51 744
Land rented or leased to others	farms	5 571	1 705	794	-	-	794	220	418
	acres	367 979	122 584	45 911	-	-	45 911	11 587	17 774
OPERATOR CHARACTERISTICS									
Operators by place of residence:									
On farm operated		41 967	12 234	4 513	-	-	4 513	1 403	2 502
Not on farm operated		6 332	2 569	805	-	-	805	272	638
Not reported		2 873	942	336	-	-	336	83	167
Operators by principal occupation:									
Farming		26 112	8 086	2 250	-	-	2 250	957	1 855
Other		25 060	7 659	3 404	-	-	3 404	801	1 452
Operators by days of work off farm:									
None		19 384	5 694	1 824	-	-	1 824	684	1 395
Any		29 155	9 175	3 508	-	-	3 508	989	1 752
1 to 99 days		4 058	1 308	422	-	-	422	196	321
100 to 199 days		4 279	1 273	495	-	-	495	191	350
200 days or more		20 818	6 594	2 591	-	-	2 591	602	1 081
Not reported		2 633	876	322	-	-	322	85	160
Operators by years on present farm:									
2 years or less		2 061	590	225	-	-	225	89	127
3 or 4 years		2 996	728	329	-	-	329	101	199
5 to 9 years		7 171	1 750	707	-	-	707	278	514
10 years or more		30 863	10 039	3 426	-	-	3 426	1 048	2 066
Average years on present farm		20.0	22.3	20.7	-	-	20.7	18.9	19.4
Not reported		8 081	2 636	967	-	-	967	242	401
Operators by age group:									
Under 25 years		829	349	87	-	-	87	30	27
25 to 34 years		6 206	1 961	526	-	-	526	222	330
35 to 44 years		11 098	2 903	1 146	-	-	1 146	373	610
45 to 49 years		6 142	1 661	644	-	-	644	217	373
50 to 54 years		5 792	1 731	621	-	-	621	205	356
55 to 59 years		5 944	1 942	652	-	-	652	205	407
60 to 64 years		5 649	1 895	596	-	-	596	187	436
65 to 69 years		4 355	1 499	585	-	-	585	153	328
70 years and over		5 157	1 804	797	-	-	797	166	440
Average age		50.9	51.7	53.0	-	-	53.0	50.6	53.3
Operators by sex:									
Male		48 458	15 321	5 353	-	-	5 353	1 661	3 064
Female		2 714	424	301	-	-	301	97	243
Operators of Spanish origin (see text)		122	21	15	-	-	15	8	18
FARMS BY TYPE OF ORGANIZATION									
Individual or family (sole proprietorship)	farms	45 166	14 223	5 185	-	-	5 185	1 521	2 733
	acres	7 848 652	3 175 704	758 870	-	-	758 870	175 596	246 453
Partnership	farms	4 662	1 292	326	-	-	326	160	389
	acres	1 651 919	616 318	107 145	-	-	107 145	37 512	80 608
Corporation:									
Family held	farms	1 056	172	109	-	-	109	63	155
	acres	518 500	146 034	72 210	-	-	72 210	30 569	50 691
More than 10 stockholders	farms	14	-	1	-	-	1	2	4
10 or less stockholders	farms	1 042	172	108	-	-	108	61	151
Other than family held	farms	111	12	11	-	-	11	9	15
	acres	39 206	6 044	5 178	-	-	5 178	2 380	4 552
More than 10 stockholders	farms	12	1	1	-	-	1	1	1
10 or less stockholders	farms	99	11	10	-	-	10	8	14
Other—cooperative, estate or trust, institutional, etc.	farms	177	46	23	-	-	23	5	15
	acres	58 584	16 628	5 030	-	-	5 030	1 010	1 694

See footnotes at end of table.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
				Total	Beef cattle, except feedlots (0212)				
TENURE AND RACE OF OPERATOR									
All operators		1 311	2 184	12 124	4 605	5 199	455	2 931	504
Full owners		1 075	1 499	7 945	3 302	1 527	350	2 481	245
Part owners		166	610	3 671	1 145	3 391	90	326	239
Tenants		70	75	508	158	281	15	124	20
White		1 305	2 177	12 047	4 581	5 188	448	2 906	502
Full owners		1 070	1 494	7 886	3 284	1 521	344	2 460	243
Part owners		165	608	3 654	1 140	3 386	89	323	239
Tenants		70	75	507	157	281	15	123	20
Black and other races		6	7	77	24	11	7	25	2
Full owners		5	5	59	18	6	6	21	2
Part owners		1	2	17	5	5	1	3	-
Tenants		-	-	1	1	-	-	1	-
OWNED AND RENTED LAND									
Land owned	farms	1 241	2 110	11 623	4 452	4 925	440	2 810	484
	acres	79 812	285 194	1 526 629	603 609	1 302 764	39 974	142 549	120 413
Owned land in farms	farms	1 241	2 109	11 616	4 447	4 918	440	2 807	484
	acres	71 265	273 770	1 428 807	560 484	1 291 269	35 244	124 842	116 826
Land rented or leased from others	farms	239	685	4 219	1 313	3 680	106	455	259
	acres	14 124	125 949	528 827	135 452	673 491	18 559	14 939	73 532
Rented or leased land in farms	farms	236	685	4 179	1 303	3 672	105	450	259
	acres	13 733	125 546	516 648	129 905	672 000	18 428	14 787	73 468
Land rented or leased to others	farms	142	222	1 469	622	150	87	308	56
	acres	8 938	11 827	110 001	48 672	12 986	4 861	17 859	3 651
OPERATOR CHARACTERISTICS									
Operators by place of residence:									
On farm operated		918	1 824	10 570	3 943	4 709	395	2 460	439
Not on farm operated		329	229	890	382	243	39	287	31
Not reported		64	131	664	280	247	21	184	34
Operators by principal occupation:									
Farming		690	840	5 187	1 795	4 881	243	808	315
Other		621	1 344	6 937	2 810	318	212	2 123	189
Operators by days of work off farm:									
None		605	648	3 655	1 348	3 853	170	618	238
Any		623	1 436	7 943	3 037	1 022	265	2 212	230
1 to 99 days		112	173	855	296	401	39	183	48
100 to 199 days		110	199	1 086	447	181	39	313	42
200 days or more		401	1 064	6 002	2 294	440	187	1 716	140
Not reported		83	100	526	220	324	20	101	36
Operators by years on present farm:									
2 years or less		71	74	513	163	141	27	187	17
3 or 4 years		104	104	780	240	243	46	330	32
5 to 9 years		260	303	1 958	636	606	75	650	70
10 years or more		710	1 342	6 990	2 749	3 387	252	1 316	287
Average years on present farm		16.5	20.0	18.7	20.2	22.0	17.3	12.3	21.1
Not reported		166	361	1 883	817	822	55	448	98
Operators by age group:									
Under 25 years		10	25	202	52	74	7	13	5
25 to 34 years		186	204	1 526	467	777	62	335	77
35 to 44 years		314	479	2 865	891	1 217	127	947	117
45 to 49 years		155	297	1 525	542	673	45	485	67
50 to 54 years		147	280	1 365	540	637	44	354	52
55 to 59 years		167	229	1 336	577	621	49	292	44
60 to 64 years		133	244	1 258	544	599	58	183	60
65 to 69 years		91	184	922	446	345	38	162	48
70 years and over		108	242	1 125	546	256	25	160	34
Average age		49.6	51.6	50.1	52.5	48.5	48.9	47.8	49.5
Operators by sex:									
Male		1 193	2 075	11 488	4 331	5 035	419	2 376	473
Female		118	109	636	274	164	36	555	31
Operators of Spanish origin (see text)		5	8	29	13	6	1	10	1
FARMS BY TYPE OF ORGANIZATION									
Individual or family (sole proprietorship)	farms	940	2 002	11 076	4 304	4 041	381	2 641	423
	acres	45 066	298 764	1 570 010	614 862	1 316 530	31 164	115 861	114 632
Partnership	farms	115	139	871	248	1 063	40	198	69
	acres	6 992	64 344	281 074	54 715	565 998	13 235	11 926	66 767
Corporation:									
Family held	farms	231	31	109	34	78	26	72	10
	acres	26 947	33 056	73 044	17 334	64 357	(D)	6 841	(D)
More than 10 stockholders	farms	-	-	3	1	1	1	2	-
10 or less stockholders	farms	231	31	106	33	77	25	70	10
Other than family held	farms	21	-	22	2	3	7	11	-
	acres	5 712	-	8 399	(D)	2 735	(D)	(D)	-
More than 10 stockholders	farms	1	-	5	-	-	1	1	-
10 or less stockholders	farms	20	-	17	2	3	6	10	-
Other—cooperative, estate or trust, institutional, etc.	farms	4	12	46	17	14	1	9	2
	acres	281	3 152	12 928	(D)	13 649	(D)	(D)	(D)

See footnotes at end of table.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Cash grains (011)	Field crops, except cash grains (013)				Vegetables and melons (016)	Fruits and tree nuts (017)
			Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		
FARMS BY SIZE								
1 to 9 acres	2 866	113	49	-	-	49	148	252
10 to 49 acres	12 174	2 556	1 570	-	-	1 570	636	1 215
50 to 69 acres	3 667	1 137	522	-	-	522	161	326
70 to 99 acres	6 467	2 252	889	-	-	889	226	392
100 to 139 acres	5 478	2 084	744	-	-	744	140	314
140 to 179 acres	4 167	1 546	521	-	-	521	93	229
180 to 219 acres	2 833	1 063	283	-	-	283	74	149
220 to 259 acres	2 222	797	224	-	-	224	48	95
260 to 499 acres	6 274	2 156	485	-	-	485	118	215
500 to 999 acres	3 667	1 400	255	-	-	255	84	100
1,000 to 1,999 acres	1 134	528	92	-	-	92	26	16
2,000 acres or more	223	113	20	-	-	20	4	4
FARMS BY STANDARD INDUSTRIAL CLASSIFICATION								
Cash grains (011)	15 745	15 745	-	-	-	-	-	-
Field crops, except cash grains (013)	5 654	-	5 654	-	-	5 654	-	-
Cotton (0131)	-	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	5 654	-	5 654	-	-	5 654	-	-
Vegetables and melons (016)	1 758	-	-	-	-	-	1 758	-
Fruits and tree nuts (017)	3 307	-	-	-	-	-	-	3 307
Horticultural specialties (018)	1 311	-	-	-	-	-	-	-
General farms, primarily crop (019)	2 184	-	-	-	-	-	-	-
Livestock, except dairy, poultry, and animal specialties (021)	12 124	-	-	-	-	-	-	-
Beef cattle, except feedlots (0212)	4 605	-	-	-	-	-	-	-
Dairy farms (024)	5 199	-	-	-	-	-	-	-
Poultry and eggs (025)	455	-	-	-	-	-	-	-
Animal specialties (027)	2 931	-	-	-	-	-	-	-
General farms, primarily livestock and animal specialties (029)	504	-	-	-	-	-	-	-
LIVESTOCK								
Cattle and calves inventory ... farms	19 436	2 437	1 001	-	-	1 001	139	131
number	1 163 352	58 982	14 083	-	-	14 083	2 500	3 652
Farms with—								
1 to 9	5 321	1 056	581	-	-	581	73	62
10 to 49	7 897	1 066	363	-	-	363	54	46
50 to 99	2 904	211	45	-	-	45	10	14
100 to 199	2 045	79	12	-	-	12	2	6
200 to 499	1 078	24	-	-	-	-	-	3
500 or more	191	1	-	-	-	-	-	-
Cows and heifers that had calved ... farms	14 030	1 242	613	-	-	613	76	93
number	454 706	15 833	5 400	-	-	5 400	715	1 369
Beef cows ... farms	8 163	1 098	579	-	-	579	67	83
number	110 156	12 548	5 225	-	-	5 225	667	983
Farms with—								
1 to 9	4 691	701	421	-	-	421	38	55
10 to 49	3 136	360	146	-	-	146	28	24
50 to 99	257	30	11	-	-	11	1	3
100 to 199	61	5	1	-	-	1	-	1
200 to 499	16	2	-	-	-	-	-	-
500 or more	2	-	-	-	-	-	-	-
Milk cows ... farms	6 499	174	58	-	-	58	11	11
number	344 550	3 285	175	-	-	175	48	386
Farms with—								
1 to 4	719	86	52	-	-	52	9	4
5 to 9	241	20	2	-	-	2	-	1
10 to 49	2 874	47	4	-	-	4	2	4
50 to 99	1 724	14	-	-	-	-	-	1
100 to 199	791	7	-	-	-	-	-	1
200 to 499	141	-	-	-	-	-	-	-
500 or more	9	-	-	-	-	-	-	-
Heifers and heifer calves ... farms	13 710	1 252	604	-	-	604	69	63
number	372 907	13 633	3 360	-	-	3 360	533	851
Steers, steer calves, bulls, and bull calves ... farms	15 610	2 040	765	-	-	765	102	91
number	335 739	29 516	5 323	-	-	5 323	1 252	1 432
Cattle and calves sold ... farms	18 164	1 958	699	-	-	699	111	104
number	653 806	27 350	5 372	-	-	5 372	1 579	1 655
$1,000	320 270	14 015	2 185	-	-	2 185	829	819
Calves ... farms	8 447	512	260	-	-	260	35	37
number	183 302	5 136	1 590	-	-	1 590	311	289
$1,000	34 569	1 001	335	-	-	335	69	68
Cattle ... farms	16 208	1 742	579	-	-	579	93	89
number	470 504	22 214	3 782	-	-	3 782	1 268	1 386
$1,000	285 702	13 014	1 851	-	-	1 851	760	750
Fattened on grain and concentrates ... farms	7 067	1 160	246	-	-	246	45	50
number	281 874	16 006	1 524	-	-	1 524	691	831
$1,000	187 767	9 824	841	-	-	841	453	499

See footnotes at end of table.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
			Total	Beef cattle, except feedlots (0212)				
FARMS BY SIZE								
1 to 9 acres	409	29	1 015	304	113	97	631	10
10 to 49 acres	553	732	2 951	986	145	162	1 566	88
50 to 69 acres	81	190	899	348	68	40	221	22
70 to 99 acres	65	297	1 825	811	218	36	214	33
100 to 139 acres	53	231	1 379	565	339	32	111	51
140 to 179 acres	31	152	1 009	450	465	16	76	29
180 to 219 acres	13	98	624	257	446	19	38	26
220 to 259 acres	15	66	499	199	433	7	19	19
260 to 499 acres	43	215	1 202	487	1 680	22	39	99
500 to 999 acres	18	119	525	154	1 059	16	7	84
1,000 to 1,999 acres	9	45	158	36	212	5	7	36
2,000 acres or more	1	10	38	8	21	3	2	7
FARMS BY STANDARD INDUSTRIAL CLASSIFICATION								
Cash grains (011)	-	-	-	-	-	-	-	-
Field crops, except cash grains (013)	-	-	-	-	-	-	-	-
Cotton (0131)	-	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	-	-	-	-	-	-	-	-
Vegetables and melons (016)	-	-	-	-	-	-	-	-
Fruits and tree nuts (017)	-	-	-	-	-	-	-	-
Horticultural specialties (018)	1 311	-	-	-	-	-	-	-
General farms, primarily crop (019)	-	2 184	-	-	-	-	-	-
Livestock, except dairy, poultry, and animal specialties (021)	-	-	12 124	4 605	-	-	-	-
Beef cattle, except feedlots (0212)	-	-	4 605	4 605	-	-	-	-
Dairy farms (024)	-	-	-	-	5 199	-	-	-
Poultry and eggs (025)	-	-	-	-	-	455	-	-
Animal specialties (027)	-	-	-	-	-	-	2 931	-
General farms, primarily livestock and animal specialties (029)	-	-	-	-	-	-	-	504
LIVESTOCK								
Cattle and calves inventory ... farms	27	906	8 855	4 260	5 194	113	218	415
number	296	23 595	374 375	142 2[illegible]	651 929	2 412	1 409	30 119
Farms with—								
1 to 9	18	469	2 642	1 063	35	82	184	119
10 to 49	8	315	4 719	2 550	1 146	25	29	126
50 to 99	1	75	875	427	1 590	1	5	77
100 to 199	-	33	354	142	1 501	2	-	56
200 to 499	-	12	170	56	836	2	-	31
500 or more	-	2	85	22	86	1	-	6
Cows and heifers that had calved ... farms	19	483	5 768	3 255	5 175	77	134	330
number	121	5 573	86 104	52 582	327 308	847	615	10 821
Beef cows ... farms	19	420	5 326	3 056	279	59	120	113
number	(D)	3 464	79 064	49 488	6 001	417	(D)	1 089
Farms with—								
1 to 9	15	309	2 762	1 451	145	51	104	90
10 to 49	4	106	2 318	1 440	108	7	16	19
50 to 99	-	3	192	131	15	-	-	2
100 to 199	-	2	39	24	10	1	-	2
200 to 499	-	-	14	9	-	-	-	-
500 or more	-	-	1	1	1	-	-	-
Milk cows ... farms	2	82	704	323	5 166	23	19	249
number	(D)	2 109	7 040	3 094	321 307	430	(D)	9 732
Farms with—								
1 to 4	2	30	444	206	26	17	18	31
5 to 9	-	5	111	50	82	1	1	16
10 to 49	-	33	118	53	2 532	3	-	131
50 to 99	-	9	19	9	1 635	1	-	45
100 to 199	-	5	9	4	748	-	-	21
200 to 499	-	-	3	1	134	1	-	3
500 or more	-	-	-	-	9	-	-	-
Heifers and heifer calves ... farms	15	502	5 771	3 128	4 960	64	99	311
number	100	5 649	81 534	36 755	257 425	1 094	331	8 397
Steers, steer calves, bulls, and bull calves ... farms	20	743	7 582	3 595	3 727	71	128	341
number	75	12 373	206 737	52 874	67 196	471	463	10 901
Cattle and calves sold ... farms	15	627	8 961	4 446	5 181	51	91	366
number	111	14 001	385 515	139 531	197 722	1 106	499	18 896
$1,000	59	7 828	217 041	56 290	67 366	594	185	9 349
Calves ... farms	5	178	3 157	2 373	4 018	14	40	191
number	14	1 679	78 499	71 356	91 854	167	203	3 580
$1,000	4	349	22 228	20 859	9 677	26	46	565
Cattle ... farms	12	582	8 039	3 699	4 609	47	71	345
number	97	12 322	307 016	68 175	105 868	939	296	15 316
$1,000	55	7 479	194 813	35 431	57 489	566	139	8 784
Fattened on grain and concentrates ... farms	5	327	4 296	392	759	22	27	130
number	27	7 489	230 480	2 397	19 758	706	82	4 273
$1,000	17	5 012	155 560	1 451	12 251	456	42	2 813

See footnotes at end of table.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Cash grains (011)	Field crops, except cash grains (013)				Vegetables and melons (016)	Fruits and tree nuts (017)
			Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		
LIVESTOCK—Con.								
Hogs and pigs inventory farms	5 577	791	159	-	-	159	42	23
number	1 227 069	62 656	6 262	-	-	6 262	1 166	1 269
Farms with—								
1 to 24	2 249	366	124	-	-	124	27	15
25 to 49	680	128	16	-	-	16	7	3
50 to 99	717	129	5	-	-	5	3	1
100 to 199	635	84	6	-	-	6	5	3
200 to 499	660	63	5	-	-	5	-	-
500 or more	636	21	3	-	-	3	-	1
Used or to be used for breeding farms	3 523	414	56	-	-	56	17	12
number	183 586	7 794	676	-	-	676	175	166
Other farms	5 176	737	142	-	-	142	39	22
number	1 043 483	54 862	5 586	-	-	5 586	991	1 103
Hogs and pigs sold farms	5 603	812	116	-	-	116	46	22
number	2 215 872	89 249	6 379	-	-	6 379	1 845	2 963
$1,000	226 148	9 017	664	-	-	664	157	280
Feeder pigs farms	1 575	155	32	-	-	32	9	10
number	468 706	19 437	1 085	-	-	1 085	(D)	1 033
$1,000	21 840	815	42	-	-	42	(D)	50
Litters of pigs farrowed between—								
Dec. 1 of preceding year and Nov. 30 farms	3 714	451	64	-	-	64	18	16
number	252 915	9 937	566	-	-	566	195	219
Dec. 1 and May 31 farms	3 312	367	49	-	-	49	14	16
number	123 621	4 884	263	-	-	263	91	122
June 1 and Nov. 30 farms	3 315	387	51	-	-	51	15	12
number	129 294	5 053	303	-	-	303	104	97
Sheep and lambs of all ages inventory farms	2 057	322	136	-	-	136	19	20
number	101 330	16 962	3 972	-	-	3 972	558	291
Ewes 1 year old or older farms	1 857	283	118	-	-	118	18	18
number	62 036	9 986	2 696	-	-	2 696	(D)	(D)
Sheep and lambs sold farms	1 979	313	112	-	-	112	17	17
number	77 152	10 766	2 135	-	-	2 135	429	290
Sheep and lambs shorn farms	1 826	274	105	-	-	105	18	18
number	88 134	13 210	3 537	-	-	3 537	395	272
pounds of wool	655 169	102 515	27 266	-	-	27 288	2 934	1 939
Horses and ponies inventory farms	9 065	1 083	1 105	-	-	1 105	102	155
number	56 836	4 052	5 358	-	-	5 358	360	432
Horses and ponies sold farms	2 403	112	170	-	-	170	16	14
number	7 645	250	382	-	-	382	46	21
Goats inventory farms	1 234	162	113	-	-	113	16	16
number	21 405	2 700	2 097	-	-	2 097	242	87
Goats sold farms	469	37	29	-	-	29	7	3
number	9 252	931	874	-	-	874	29	(D)
POULTRY								
Chickens 3 months old or older inventory farms	3 550	513	322	-	-	322	75	73
number	8 428 623	82 288	9 732	-	-	9 732	3 124	2 110
Farms with—								
1 to 399	3 378	506	321	-	-	321	75	73
400 to 3,199	35	2	1	-	-	1	-	-
3,200 to 9,999	37	3	-	-	-	-	-	-
10,000 to 19,999	29	-	-	-	-	-	-	-
20,000 to 49,999	35	2	-	-	-	-	-	-
50,000 to 99,999	20	-	-	-	-	-	-	-
100,000 or more	16	-	-	-	-	-	-	-
Hens and pullets of laying age farms	3 490	502	317	-	-	317	74	72
number	7 152 993	53 998	8 836	-	-	8 836	2 833	(D)
Pullets 3 months old or older not of laying age farms	480	59	49	-	-	49	9	7
number	1 275 630	28 290	896	-	-	896	291	(D)
Hens and pullets sold farms	587	57	23	-	-	23	10	4
number	6 611 462	117 848	462	-	-	462	662	6 639
Broilers and other meat-type chickens sold farms	495	86	27	-	-	27	21	5
number	702 431	12 702	1 599	-	-	1 599	3 599	435
Farms with—								
1 to 1,999	482	86	27	-	-	27	21	5
2,000 to 59,999	8	-	-	-	-	-	-	-
60,000 to 99,999	2	-	-	-	-	-	-	-
100,000 or more	3	-	-	-	-	-	-	-
Turkey hens kept for breeding farms	169	13	14	-	-	14	-	5
number	60 229	81	45	-	-	45	-	41
Turkeys sold farms	281	33	15	-	-	15	13	2
number	2 906 878	2 459	179	-	-	179	855	(D)

See footnotes at end of table.

Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
			Total	Beef cattle, except feedlots (0212)				
LIVESTOCK—Con.								
Hogs and pigs inventory .... farms	6	205	3 774	304	378	43	44	112
number	57	23 343	1 093 749	8 347	23 186	4 599	197	10 585
Farms with –								
1 to 24	5	97	1 264	253	222	29	43	57
25 to 49	1	22	436	27	52	3	-	12
50 to 99	-	20	493	12	46	3	1	16
100 to 199	-	34	461	6	31	1	-	10
200 to 499	-	19	538	4	18	2	-	14
500 or more	-	13	582	2	9	4	-	3
Used or to be used for breeding .... farms	2	105	2 622	134	219	13	6	57
number	(D)	2 620	166 511	1 264	3 536	457	(D)	1 606
Other .... farms	6	189	3 519	274	333	41	43	105
number	(D)	20 723	927 238	7 083	19 650	4 142	(D)	8 979
Hogs and pigs sold .... farms	6	185	3 929	257	340	35	16	96
number	78	36 060	2 021 429	9 553	34 579	6 900	82	16 288
$1,000	8	3 804	206 395	840	3 398	669	10	1 748
Feeder pigs .... farms	1	28	1 232	69	85	6	-	17
number	(D)	5 937	427 002	3 417	9 363	1 420	-	2 680
$1,000	(D)	306	19 942	147	469	74	-	115
Litters of pigs farrowed between—								
Dec. 1 of preceding year and Nov. 30 .... farms	2	111	2 744	141	229	14	6	59
number	(D)	3 348	231 296	1 494	4 684	644	(D)	2 004
Dec. 1 and May 31 .... farms	2	86	2 514	111	195	12	4	53
number	(D)	1 529	113 155	728	2 344	262	(D)	963
June 1 and Nov. 30 .... farms	2	96	2 484	114	201	12	4	52
number	(D)	1 819	118 141	766	2 340	382	(D)	1 041
Sheep and lambs of all ages inventory .... farms	13	70	1 271	151	116	22	50	18
number	188	4 660	70 147	7 645	3 569	191	438	354
Ewes 1 year old or older .... farms	9	65	1 170	133	102	20	38	16
number	145	2 371	42 877	4 060	2 687	(D)	313	(D)
Sheep and lambs sold .... farms	9	70	1 263	145	105	21	36	16
number	106	3 306	57 149	4 700	2 324	167	265	215
Sheep and lambs shorn .... farms	9	64	1 179	134	98	20	27	14
number	178	4 528	62 133	5 795	3 126	174	351	230
pounds of wool	1 113	29 985	458 283	43 516	25 258	1 407	2 622	1 847
Horses and ponies inventory .... farms	51	758	2 584	1 079	635	95	2 358	139
number	219	3 913	10 945	4 294	2 764	413	27 488	892
Horses and ponies sold .... farms	7	33	360	124	97	8	1 522	64
number	16	137	923	274	197	17	5 483	173
Goats inventory .... farms	3	70	614	138	64	41	112	23
number	4	897	14 030	1 136	395	191	580	182
Goats sold .... farms	1	16	314	47	16	11	27	8
number	(D)	304	6 599	473	231	62	95	68
POULTRY								
Chickens 3 months old or older inventory .... farms	23	189	1 438	493	308	319	172	118
number	326	26 263	167 155	20 761	47 586	8 050 536	3 166	36 337
Farms with –								
1 to 399	23	182	1 427	492	301	186	172	112
400 to 3,199	-	5	4	-	4	16	-	3
3,200 to 9,999	-	1	3	1	1	27	-	2
10,000 to 19,999	-	1	1	-	2	24	-	1
20,000 to 49,999	-	-	3	-	-	30	-	-
50,000 to 99,999	-	-	-	-	-	20	-	-
100,000 or more	-	-	-	-	-	16	-	-
Hens and pullets of laying age .... farms	23	185	1 418	487	304	309	169	117
number	(D)	14 976	147 995	19 607	46 882	6 836 595	2 865	35 675
Pullets 3 months old or older not of laying age .... farms	1	20	204	76	26	61	23	21
number	(D)	11 287	19 160	1 154	704	1 213 941	301	662
Hens and pullets sold .... farms	1	18	184	53	27	216	10	37
number	(D)	19 865	100 515	9 694	18 713	6 318 868	(D)	27 595
Broilers and other meat-type chickens sold .... farms	6	19	205	45	32	62	8	24
number	818	2 880	63 625	3 194	6 537	605 714	158	4 364
Farms with—								
1 to 1,999	6	19	203	45	32	51	8	24
2,000 to 59,999	-	-	2	-	-	6	-	-
60,000 to 99,999	-	-	-	-	-	2	-	-
100,000 or more	-	-	-	-	-	3	-	-
Turkey hens kept for breeding .... farms	2	5	79	35	12	25	8	6
number	(D)	(D)	360	117	40	59 490	26	26
Turkeys sold .... farms	1	9	97	30	13	79	8	11
number	(D)	478	2 474	739	2 273	2 897 411	79	409

See footnotes at end of table.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Cash grains (011)	Field crops, except cash grains (013)				Vegetables and melons (016)	Fruits and tree nuts (017)
			Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		
CROPS HARVESTED								
Corn for grain or seed farms	25 140	12 509	1 474	-	-	1 474	339	219
acres	1 982 401	1 060 801	87 372	-	-	87 372	21 982	10 793
bushels	189 779 819	104 529 883	8 838 016	-	-	8 838 016	2 068 804	1 016 470
Irrigated farms	979	546	77	-	-	77	27	6
acres	134 704	83 503	7 896	-	-	7 896	2 613	618
Farms by acres harvested:								
1 to 24 acres	10 135	4 763	849	-	-	849	184	120
25 to 99 acres	9 569	4 974	396	-	-	396	104	70
100 to 249 acres	3 689	1 785	151	-	-	151	26	23
250 to 499 acres	1 229	658	59	-	-	59	18	3
500 acres or more	518	329	19	-	-	19	7	3
Corn for silage or green chop farms	6 704	505	364	-	-	364	31	24
acres	294 323	12 513	11 975	-	-	11 975	966	540
tons, green	3 585 942	151 400	151 757	-	-	151 757	10 482	6 715
Irrigated farms	116	14	7	-	-	7	3	-
acres	5 807	479	141	-	-	141	70	-
Farms by acres harvested:								
1 to 24 acres	3 137	347	235	-	-	235	20	17
25 to 99 acres	2 850	137	116	-	-	116	10	7
100 to 249 acres	622	20	7	-	-	7	-	-
250 to 499 acres	75	-	3	-	-	3	1	-
500 acres or more	20	1	3	-	-	3	-	
Wheat for grain farms	10 327	6 224	530	-	-	530	110	64
acres	356 073	225 801	19 533	-	-	19 533	4 737	1 238
bushels	16 465 394	10 567 288	902 331	-	-	902 331	187 141	51 916
Irrigated farms	80	34	21	-	-	21	3	2
acres	5 851	1 624	2 184	-	-	2 184	82	(D)
Farms by acres harvested:								
1 to 24 acres	5 899	3 456	318	-	-	318	61	45
25 to 99 acres	3 776	2 328	169	-	-	169	40	18
100 to 249 acres	583	389	39	-	-	39	8	1
250 to 499 acres	58	44	2	-	-	2	-	-
500 acres or more	11	7	2	-	-	2	1	-
Oats for grain farms	11 392	4 520	879	-	-	879	74	60
acres	259 445	111 707	20 123	-	-	20 123	1 190	871
bushels	14 634 547	6 549 350	1 081 235	-	-	1 081 235	59 408	46 847
Irrigated farms	45	19	9	-	-	9	6	-
acres	1 003	421	305	-	-	305	(D)	-
Soybeans for beans farms	12 734	9 612	332	-	-	332	170	80
acres	1 023 599	817 751	21 458	-	-	21 458	13 291	3 036
bushels	36 267 622	28 813 968	837 006	-	-	837 006	493 428	115 526
Irrigated farms	321	246	4	-	-	4	2	3
acres	24 078	19 514	212	-	-	212	(D)	70
Farms by acres harvested:								
1 to 24 acres	3 797	2 640	130	-	-	130	61	44
25 to 99 acres	5 907	4 594	145	-	-	145	68	28
100 to 249 acres	2 220	1 694	42	-	-	42	32	6
250 to 499 acres	621	518	11	-	-	11	7	2
500 acres or more	189	166	4	-	-	4	2	-
Dry edible beans, excluding dry limas farms	4 098	2 787	458	-	-	458	53	4
acres	383 687	257 602	56 874	-	-	56 874	4 023	(D)
cwt	4 931 689	3 330 641	684 055	-	-	684 055	49 476	(D)
Irrigated farms	113	62	24	-	-	24	4	-
acres	12 318	6 132	3 329	-	-	3 329	290	-
Farms by acres harvested:								
1 to 24 acres	1 034	737	76	-	-	76	20	4
25 to 99 acres	1 802	1 233	172	-	-	172	20	-
100 to 249 acres	912	582	147	-	-	147	9	-
250 to 499 acres	290	192	54	-	-	54	3	-
500 acres or more	60	43	9	-	-	9	1	-
Irish potatoes farms	564	44	300	-	-	300	33	15
acres	44 105	704	38 206	-	-	38 206	2 636	209
cwt	10 109 515	80 866	8 995 848	-	-	8 995 848	507 072	35 316
Irrigated farms	230	10	160	-	-	160	30	4
acres	23 866	344	22 175	-	-	22 175	425	20
Farms by acres harvested:								
0.1 to 4.9 acres	204	23	36	-	-	36	56	9
5.0 to 24.9 acres	73	11	37	-	-	37	5	3
25.0 to 99.9 acres	125	8	85	-	-	85	14	2
100.0 to 249.9 acres	116	2	100	-	-	100	5	1
250.0 acres or more	46	-	42	-	-	42	3	-
Sugar beets for sugar farms	1 435	587	529	-	-	529	31	-
acres	138 623	51 024	57 143	-	-	57 143	2 546	-
tons	2 759 381	1 002 344	1 147 474	-	-	1 147 474	49 574	-
Irrigated farms	40	9	27	-	-	27	3	-
acres	1 877	480	1 279	-	-	1 279	(D)	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) farms	25 983	4 636	4 878	-	-	4 878	258	287
acres	1 436 630	130 337	203 120	-	-	203 120	6 049	5 994
tons, dry	3 323 175	301 867	450 265	-	-	450 265	12 293	13 815
Irrigated farms	246	54	31	-	-	31	6	5
acres	11 710	1 929	1 161	-	-	1 161	39	(D)

See footnotes at end of table.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Horticultural specialties (016)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
				Total	Beef cattle, except feedlots (0212)				
CROPS HARVESTED									
Corn for grain or seed	farms	45	880	5 225	1 015	3 869	138	108	314
	acres	2 966	62 489	329 609	24 973	343 746	17 155	1 473	44 015
	bushels	351 079	6 224 237	29 504 075	1 925 236	31 454 198	1 659 307	111 075	4 022 675
Irrigated	farms	12	28	132	13	116	17	-	18
	acres	1 287	4 188	16 504	1 801	13 324	2 318	-	2 453
Farms by acres harvested:									
1 to 24 acres		29	378	2 818	733	764	60	93	77
25 to 99 acres		7	337	1 570	131	1 945	36	15	115
100 to 249 acres		5	114	546	17	948	22	-	71
250 to 499 acres		3	40	203	10	198	9	-	38
500 acres or more		1	11	88	4	36	11	-	13
Corn for silage or green chop	farms	5	215	1 593	588	3 757	11	14	185
	acres	52	5 709	56 937	14 266	196 726	684	142	8 079
	tons, green	530	80 198	732 841	151 918	2 345 940	7 607	1 061	97 411
Irrigated	farms	-	4	15	3	68	-	-	5
	acres	-	121	1 393	58	3 305	-	-	298
Farms by acres harvested:									
1 to 24 acres		5	142	1 054	441	1 206	7	12	92
25 to 99 acres		-	64	409	125	2 032	3	2	70
100 to 249 acres		-	9	93	16	475	-	-	18
250 to 499 acres		-	-	30	6	35	1	-	5
500 acres or more		-	-	7	-	9	-	-	-
Wheat for grain	farms	11	405	1 564	207	1 187	44	20	168
	acres	198	13 834	42 442	3 510	38 511	1 108	174	8 497
	bushels	8 868	682 877	1 896 738	138 050	1 750 815	52 806	6 294	358 320
Irrigated	farms	1	4	5	1	8	-	-	2
	acres	(D)	1 579	97	(D)	177	-	-	(D)
Farms by acres harvested:									
1 to 24 acres		10	249	1 031	165	611	27	20	71
25 to 99 acres		1	137	466	39	529	15	-	73
100 to 249 acres		-	18	62	3	45	2	-	19
250 to 499 acres		-	-	5	-	2	-	-	5
500 acres or more		-	1	-	-	-	-	-	-
Oats for grain	farms	8	513	2 552	745	2 459	36	79	212
	acres	55	10 180	39 414	9 848	68 509	427	800	6 169
	bushels	3 860	573 626	1 956 681	433 043	3 931 521	22 113	27 889	382 017
Irrigated	farms	-	-	2	2	9	-	-	-
	acres	-	-	(D)	(D)	217	-	-	-
Soybeans for beans	farms	38	316	1 262	115	742	36	20	126
	acres	2 900	23 265	75 333	3 145	53 361	1 398	339	11 467
	bushels	101 435	868 405	2 657 235	102 104	1 905 502	46 619	12 542	415 956
Irrigated	farms	6	6	35	2	16	1	-	2
	acres	528	197	2 762	(D)	608	(D)	-	(D)
Farms by acres harvested:									
1 to 24 acres		15	122	538	78	189	19	13	26
25 to 99 acres		14	125	485	30	373	12	7	56
100 to 249 acres		5	50	194	7	156	5	-	36
250 to 499 acres		4	15	38	-	21	-	-	7
500 acres or more		-	4	9	-	3	-	-	1
Dry edible beans, excluding dry limas	farms	1	183	279	36	261	14	1	57
	acres	(D)	19 762	20 610	1 313	17 328	1 371	(D)	6 074
	cwt	(D)	259 369	266 657	13 371	243 256	19 154	(D)	78 563
Irrigated	farms	-	7	7	1	5	1	-	3
	acres	-	1 058	(D)	(D)	273	(D)	-	870
Farms by acres harvested:									
1 to 24 acres		1	32	93	20	59	3	1	8
25 to 99 acres		-	84	112	12	149	5	-	27
100 to 249 acres		-	43	59	3	51	6	-	15
250 to 499 acres		-	22	12	1	1	-	-	6
500 acres or more		-	2	3	-	1	-	-	1
Irish potatoes	farms	8	53	38	19	18	2	1	2
	acres	7	1 434	136	115	748	(D)	(D)	(D)
	cwt	1 495	290 631	27 695	25 191	164 500	(D)	(D)	(D)
Irrigated	farms	2	14	7	-	2	-	-	1
	acres	(D)	854	9	-	(D)	-	-	(D)
Farms by acres harvested:									
0.1 to 4.9 acres		8	29	36	18	3	2	1	1
5.0 to 24.9 acres		-	11	1	-	4	-	-	1
25.0 to 99.9 acres		-	7	-	-	9	-	-	-
100.0 to 249.9 acres		-	5	1	1	2	-	-	-
250.0 acres or more		-	1	-	-	-	-	-	-
Sugar beets for sugar	farms	-	161	59	2	45	8	-	15
	acres	-	17 367	6 546	(D)	1 913	471	-	1 613
	tons	-	341 565	140 990	(D)	37 453	9 514	-	30 467
Irrigated	farms	-	1	-	-	-	-	-	-
	acres	-	(D)	-	-	-	-	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	58	1 837	7 808	3 349	4 836	147	831	407
	acres	1 111	56 350	311 200	156 513	667 494	3 200	17 263	34 512
	tons, dry	1 816	118 759	604 497	268 855	1 589 744	7 713	28 197	94 209
Irrigated	farms	2	8	35	11	87	4	6	8
	acres	(D)	97	1 153	487	6 741	151	76	330

See footnotes at end of table.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Cash grains (011)	Field crops, except cash grains (013): Total	Field crops, except cash grains (013): Cotton (0131)	Field crops, except cash grains (013): Tobacco (0132)	Field crops, except cash grains (013): Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	Vegetables and melons (016)	Fruits and tree nuts (017)
CROPS HARVESTED—Con.								
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)—Con.								
Farms by acres harvested:								
1 to 24 acres	12 059	3 062	2 174	-	-	2 174	164	226
25 to 99 acres	9 703	1 365	2 302	-	-	2 302	86	55
100 to 249 acres	3 358	181	353	-	-	353	6	5
250 to 499 acres	740	23	42	-	-	42	-	1
500 acres or more	123	5	7	-	-	7	-	-
Alfalfa hay ... farms	22 439	4 009	4 288	-	-	4 288	221	247
acres	971 083	101 347	158 793	-	-	158 793	5 025	4 613
tons, dry	2 499 478	254 946	380 054	-	-	380 054	10 797	11 624
Irrigated ... farms	195	51	25	-	-	25	4	5
acres	7 561	1 491	922	-	-	922	34	27
Vegetables harvested for sale (see text) ... farms	3 267	277	120	-	-	120	1 758	424
acres	139 145	7 723	3 322	-	-	3 322	90 575	10 154
Irrigated ... farms	908	46	36	-	-	36	521	129
acres	53 780	1 726	2 112	-	-	2 112	36 031	2 138
Farms by acres harvested:								
0.1 to 4.9 acres	1 067	125	55	-	-	55	407	153
5.0 to 24.9 acres	1 122	73	29	-	-	29	873	154
25.0 to 99.9 acres	747	57	25	-	-	25	454	100
100.0 to 249.9 acres	235	19	9	-	-	9	149	14
250.0 acres or more	96	3	2	-	-	2	75	3
Snap beans harvested for sale ... farms	510	43	11	-	-	11	319	27
acres	21 198	1 858	323	-	-	323	9 711	852
Irrigated ... farms	154	7	6	-	-	6	91	17
acres	8 557	615	321	-	-	321	2 320	77
Land in orchards ... farms	3 791	192	128	-	-	128	275	2 614
acres	161 567	2 010	659	-	-	659	5 898	141 908
Irrigated ... farms	504	8	6	-	-	6	37	413
acres	17 815	126	25	-	-	25	311	14 579
Farms by bearing and nonbearing acres:								
0.1 to 4.9 acres	1 128	105	92	-	-	92	114	478
5.0 to 24.9 acres	1 261	64	31	-	-	31	98	909
25.0 to 99.9 acres	942	21	5	-	-	5	54	797
100.0 to 249.9 acres	365	2	-	-	-	-	7	340
250.0 acres or more	95	-	-	-	-	-	2	90
Apples ... farms	2 516	130	101	-	-	101	170	1 679
Bearing and nonbearing ... acres	73 244	892	373	-	-	373	1 531	65 155
pounds	918 227 402	2 576 831	437 834	-	-	437 834	11 028 003	839 713 308
Cherries, total (see text) ... farms	1 690	51	37	-	-	37	120	1 306
Bearing and nonbearing ... acres	59 741	270	166	-	-	166	3 273	52 504
pounds	254 177 979	400 785	283 729	-	-	283 729	12 627 959	228 985 576
Grapes (see text) ... farms	989	74	37	-	-	37	71	642
Bearing and nonbearing ... acres	11 932	625	45	-	-	45	285	9 872
Fresh weight ... pounds	103 130 824	4 100 261	87 500	-	-	87 500	743 479	87 511 797
Berries harvested for sale ... farms	1 427	50	29	-	-	29	158	1 006
acres	17 540	86	44	-	-	44	795	15 475
Irrigated ... farms	658	17	8	-	-	8	89	467
acres	8 483	39	17	-	-	17	593	7 201

See footnotes at end of table.

Table 53. **Summary by Standard Industrial Classification of Farm: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
			Total	Beef cattle, except feedlots (0212)				
CROPS HARVESTED—Con.								
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)—Con.								
Farms by acres harvested:								
1 to 24 acres	41	1 199	3 997	1 440	319	109	651	117
25 to 99 acres	16	524	3 134	1 535	1 851	34	162	174
100 to 249 acres	1	104	575	311	2 025	3	15	88
250 to 499 acres	-	9	94	58	546	1	2	22
500 acres or more	-	1	8	5	95	-	1	6
Alfalfa hay ... farms	44	1 543	6 608	2 724	4 332	116	677	354
acres	803	43 426	225 678	109 577	391 358	2 229	12 335	25 476
tons, dry	1 556	101 989	473 824	202 753	1 159 818	6 216	22 435	76 219
Irrigated ... farms	1	7	30	9	59	2	5	6
acres	(D)	89	923	311	3 737	(D)	68	195
Vegetables harvested for sale (see text) ... farms	116	260	193	36	60	27	4	28
acres	1 725	18 262	4 661	233	1 468	252	5	997
Irrigated ... farms	52	74	33	4	5	6	1	5
acres	775	9 519	1 240	6	76	(D)	(D)	137
Farms by acres harvested:								
0.1 to 4.9 acres	57	82	115	25	28	22	4	19
5.0 to 24.9 acres	38	80	50	9	20	2	-	3
25.0 to 99.9 acres	18	62	17	2	9	3	-	2
100.0 to 249.9 acres	3	28	9	-	1	-	-	3
250.0 acres or more	-	8	2	-	2	-	-	1
Snap beans harvested for sale ... farms	23	44	22	4	13	1	1	6
acres	(D)	5 618	982	1	1 094	(D)	(D)	710
Irrigated ... farms	7	15	7	-	2	-	-	2
acres	8	4 720	370	-	(D)	-	-	(D)
Land in orchards ... farms	67	109	244	80	60	34	44	24
acres	1 458	5 019	1 926	360	1 462	246	263	719
Irrigated ... farms	13	4	8	1	4	4	5	2
acres	730	1 878	27	(D)	57	(D)	15	(D)
Farms by bearing and nonbearing acres:								
0.1 to 4.9 acres	43	42	167	63	19	26	32	10
5.0 to 24.9 acres	19	39	63	16	16	6	10	6
25.0 to 99.9 acres	2	20	11	1	23	1	2	6
100.0 to 249.9 acres	2	6	3	-	2	1	-	2
250.0 acres or more	1	2	-	-	-	-	-	-
Apples ... farms	46	77	192	66	44	27	37	13
Bearing and nonbearing ... acres	916	1 836	963	213	1 017	197	151	214
pounds	14 915 606	34 017 855	4 056 499	778 345	8 461 958	1 032 056	556 192	1 421 260
Cherries, total (see text) ... farms	18	34	70	24	17	11	16	10
Bearing and nonbearing ... acres	149	1 919	551	100	364	22	84	439
pounds	394 861	7 059 051	1 678 480	236 780	887 119	75 840	91 457	1 693 122
Grapes (see text) ... farms	16	34	75	20	8	13	13	6
Bearing and nonbearing ... acres	188	628	195	15	40	6	10	40
Fresh weight ... pounds	1 974 550	6 766 682	1 245 280	45 290	306 060	3 340	3 680	388 195
Berries harvested for sale ... farms	30	66	63	20	10	9	2	4
acres	474	447	190	23	14	10	(D)	(D)
Irrigated ... farms	17	34	16	5	4	4	1	1
acres	231	332	53	9	10	(D)	(D)	(D)

[1] Data are based on a sample of farms.

[2] Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than $1,000.

Table 1. County Summary Highlights: 1987

[For meaning of abbreviations and symbols, see introductory text]

Item		Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
Farms	number	51 172	229	63	1 634	424	248	332
Land in farms	acres	10 316 861	43 436	16 140	253 646	82 201	55 114	89 470
Average size of farm	acres	202	190	256	155	194	222	269
Value of land and buildings[1]:								
Average per farm	dollars	196 065	90 751	104 095	184 433	131 278	182 698	203 569
Average per acre	dollars	971	558	406	1 162	645	799	779
Estimated market value of all machinery and equipment[1]:								
Average per farm	dollars	45 954	31 736	35 280	50 356	36 816	49 022	48 872
Farms by size:								
1 to 9 acres		2 866	7	4	134	12	11	8
10 to 49 acres		12 174	22	5	442	55	42	46
50 to 179 acres		19 779	119	25	663	200	110	125
180 to 499 acres		11 329	65	18	299	130	59	106
500 to 999 acres		3 667	13	10	71	23	15	35
1,000 acres or more		1 357	3	1	25	4	11	12
Total cropland	farms	48 653	213	61	1 518	413	227	320
	acres	8 181 320	28 573	9 426	205 385	54 767	54 493	69 511
Harvested cropland	farms	46 017	184	59	1 431	388	204	312
	acres	6 172 468	14 390	6 209	147 135	34 589	24 329	52 407
Irrigated land	farms	3 755	4	7	186	16	37	16
	acres	314 953	(D)	17	9 965	131	3 997	1 143
Market value of agricultural products sold	$1,000	2 545 078	3 860	1 633	120 484	9 935	11 491	16 412
Average per farm	dollars	49 736	16 856	25 918	73 735	23 431	46 335	49 435
Crops, including nursery and greenhouse crops	$1,000	1 272 802	625	139	44 327	3 125	5 573	9 993
Livestock, poultry, and their products	$1,000	1 272 276	3 235	1 494	76 156	6 809	5 918	6 419
Farms by value of sales:								
Less than $2,500		12 670	79	22	376	121	59	68
$2,500 to $4,999		6 774	39	8	194	90	32	32
$5,000 to $9,999		7 548	45	8	244	82	37	46
$10,000 to $24,999		8 460	30	11	238	53	39	49
$25,000 to $49,999		5 002	17	3	144	27	25	47
$50,000 to $99,999		4 322	12	4	156	24	23	38
$100,000 or more		6 396	7	7	282	27	33	52
Operators by principal occupation:								
Farming		26 112	111	23	791	191	139	201
Other		25 060	118	40	843	233	109	131
Operators by days worked off farm:								
Any		29 155	124	41	960	257	136	163
200 days or more		20 818	75	30	695	178	82	101
Average age of operator	years	50.9	53.9	48.7	50.1	50.9	50.8	50.8
Total farm production expenses[1]	$1,000	2 211 823	2 744	1 529	103 807	9 067	9 821	14 115
Average per farm	dollars	43 221	11 983	24 265	63 529	21 383	39 602	42 514
Livestock and poultry:								
Cattle and calves inventory	farms	19 436	126	41	643	239	94	130
	number	1 163 352	5 559	2 119	42 989	10 740	6 022	7 621
Beef cows	farms	8 163	87	12	209	127	45	44
	number	110 156	1 836	(D)	2 278	1 857	642	355
Milk cows	farms	6 499	16	16	234	62	36	53
	number	344 550	732	(D)	14 861	2 595	1 414	2 905
Cattle and calves sold	farms	18 164	133	38	611	239	92	112
	number	653 806	3 616	872	29 402	5 044	2 787	2 262
Hogs and pigs inventory	farms	5 577	6	1	258	24	25	22
	number	1 227 069	(D)	(D)	106 994	702	2 570	5 661
Hogs and pigs sold	farms	5 603	6	-	266	21	20	22
	number	2 215 872	(D)	-	229 921	1 573	2 913	10 571
Sheep and lambs inventory	farms	2 057	16	4	56	21	6	4
	number	101 330	943	1 848	2 919	1 091	553	47
Chickens 3 months old or older inventory	farms	3 550	16	4	103	41	26	26
	number	8 428 623	(D)	56	1 209 323	1 256	(D)	2 961
Broilers and other meat-type chickens sold	farms	495	4	-	17	10	-	2
	number	702 431	(D)	-	5 210	1 942	-	(D)
Selected crops harvested:								
Corn for grain or seed	farms	25 140	35	6	827	94	81	175
	acres	1 982 401	1 537	138	69 009	3 373	4 439	11 538
	bushels	189 779 819	155 740	13 800	6 221 646	302 645	416 034	1 099 357
Wheat for grain	farms	10 327	13	-	266	50	17	100
	acres	356 073	463	-	6 329	803	1 031	3 559
	bushels	16 465 394	19 762	-	267 034	29 624	35 814	185 507
Soybeans for beans	farms	12 734	4	-	93	9	-	94
	acres	1 023 599	(D)	-	5 452	487	-	4 476
	bushels	36 267 622	628	-	207 411	10 528	-	147 405
Dry edible beans, excluding dry limas	farms	4 098	2	-	5	25	2	96
	acres	383 687	(D)	-	80	2 367	(D)	9 035
	cwt	4 931 689	(D)	-	732	42 628	(D)	99 732
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	25 983	171	52	793	332	118	173
	acres	1 436 630	11 066	5 390	39 554	18 720	9 803	10 804
	tons, dry	3 323 175	20 082	9 211	102 464	44 471	17 974	22 722
Vegetables harvested for sale (see text)	farms	3 267	3	4	112	18	16	48
	acres	139 145	(D)	9	5 351	148	63	2 491
Land in orchards	farms	3 791	10	3	130	17	66	8
	acres	161 587	30	(D)	4 628	50	4 752	75

See footnotes at end of table.

Table 1. **County Summary Highlights: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
Farms	number	57	908	922	149	1 479	1 034	1 166
Land in farms	acres	13 902	168 493	177 185	23 966	179 660	227 375	253 383
Average size of farm	acres	244	186	192	161	121	220	217
Value of land and buildings[1]:								
Average per farm	dollars	95 070	187 471	233 235	133 966	148 279	171 692	151 013
Average per acre	dollars	390	909	1 184	821	1 167	786	717
Estimated market value of all machinery and equipment[1]:								
Average per farm	dollars	28 096	35 776	59 005	25 487	38 950	43 658	37 926
Farms by size:								
1 to 9 acres		1	35	52	6	139	64	34
10 to 49 acres		6	194	205	35	606	206	231
50 to 179 acres		22	414	394	66	483	409	492
180 to 499 acres		22	187	185	31	182	226	277
500 to 999 acres		5	60	61	10	50	99	102
1,000 acres or more		1	18	25	1	19	30	30
Total cropland	farms	56	866	901	140	1 433	978	1 118
	acres	7 447	128 641	161 157	12 665	150 082	179 034	193 816
Harvested cropland	farms	56	797	883	129	1 381	937	1 057
	acres	4 360	83 610	136 207	7 778	114 106	127 157	132 224
Irrigated land	farms	1	25	90	27	211	135	56
	acres	(D)	2 716	6 630	602	9 208	22 965	8 453
Market value of agricultural products sold	$1,000	785	30 445	43 769	3 833	63 420	49 257	42 304
Average per farm	dollars	13 771	33 529	47 472	25 728	42 881	47 638	36 282
Crops, including nursery and greenhouse crops	$1,000	(D)	8 051	40 121	2 851	52 777	24 022	19 146
Livestock, poultry, and their products	$1,000	(D)	22 394	3 648	983	10 644	25 235	23 158
Farms by value of sales:								
Less than $2,500		19	279	123	50	351	183	317
$2,500 to $4,999		11	160	85	24	192	156	155
$5,000 to $9,999		7	139	149	22	244	177	215
$10,000 to $24,999		9	116	225	18	266	214	186
$25,000 to $49,999		9	66	121	11	134	108	99
$50,000 to $99,999		1	61	96	15	123	96	89
$100,000 or more		1	87	123	9	169	100	104
Operators by principal occupation:								
Farming		28	438	513	78	806	500	548
Other		29	470	409	71	673	534	618
Operators by days worked off farm:								
Any		35	528	502	91	770	640	694
200 days or more		27	385	339	52	541	452	516
Average age of operator	years	51.2	51.4	48.9	51.5	54.1	49.6	52.0
Total farm production expenses[1]	$1,000	652	26 967	39 867	3 560	55 532	40 458	40 427
Average per farm	dollars	11 446	29 699	43 240	23 890	37 547	39 089	34 671
Livestock and poultry:								
Cattle and calves inventory	farms	42	455	115	44	251	385	476
	number	1 355	24 470	4 683	1 562	7 424	20 883	25 732
Beef cows	farms	22	236	48	36	130	154	255
	number	314	3 477	414	410	1 448	1 959	3 383
Milk cows	farms	19	133	30	5	53	121	121
	number	389	7 789	1 352	48	1 673	4 574	5 872
Cattle and calves sold	farms	41	432	107	42	209	337	442
	number	601	11 619	1 665	1 159	3 489	12 796	12 003
Hogs and pigs inventory	farms	1	109	32	13	132	239	157
	number	(D)	18 377	1 843	954	21 656	56 792	35 064
Hogs and pigs sold	farms	-	107	33	15	145	242	158
	number	-	27 319	4 243	1 726	50 672	90 209	63 657
Sheep and lambs inventory	farms	-	44	6	2	24	56	46
	number	-	1 773	185	(D)	453	2 208	1 865
Chickens 3 months old or older inventory	farms	4	57	23	16	63	71	62
	number	102	1 983	1 796	435	(D)	11 137	81 685
Broilers and other meat-type chickens sold	farms	-	7	9	2	8	8	9
	number	-	644	1 476	(D)	574	1 090	(D)
Selected crops harvested:								
Corn for grain or seed	farms	4	469	477	26	500	810	755
	acres	53	31 050	35 358	705	38 166	68 339	64 654
	bushels	(D)	2 802 637	3 624 188	42 465	3 895 815	7 211 967	5 436 815
Wheat for grain	farms	-	237	199	3	182	273	414
	acres	-	7 953	4 179	25	5 524	7 210	13 774
	bushels	-	311 952	231 252	650	264 439	312 779	569 849
Soybeans for beans	farms	-	129	378	-	384	553	360
	acres	-	9 086	20 318	-	26 110	33 447	20 783
	bushels	-	334 342	830 937	-	987 745	1 093 657	691 837
Dry edible beans, excluding dry limas	farms	-	26	452	-	-	6	4
	acres	-	1 159	36 135	-	-	135	52
	cwt	-	11 145	441 432	-	-	2 110	512
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	50	600	156	56	332	375	599
	acres	3 938	29 299	5 220	1 974	8 306	11 353	23 846
	tons, dry	6 337	73 176	14 784	3 593	24 792	33 405	58 217
Vegetables harvested for sale (see text)	farms	2	33	126	13	298	17	21
	acres	(D)	830	4 337	220	7 680	477	812
Land in orchards	farms	4	22	26	71	687	15	19
	acres	19	92	81	4 219	24 197	286	382

See footnotes at end of table.

Table 1. **County Summary Highlights: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
Farms	number	839	232	171	338	298	1 333	20
Land in farms	acres	194 464	41 812	42 363	89 168	67 824	256 811	1 450
Average size of farm	acres	232	180	248	264	228	193	73
Value of land and buildings[1]:								
Average per farm	dollars	225 368	130 552	140 436	92 444	154 661	183 236	90 400
Average per acre	dollars	948	739	597	387	674	937	1 247
Estimated market value of all machinery and equipment[1]:								
Average per farm	dollars	49 289	27 382	40 288	31 990	26 088	45 492	(D)
Farms by size:								
1 to 9 acres		50	9	3	6	11	58	1
10 to 49 acres		195	52	29	20	50	279	8
50 to 179 acres		298	97	66	139	134	590	10
180 to 499 acres		190	57	48	127	72	301	1
500 to 999 acres		72	14	19	39	25	74	-
1,000 acres or more		34	3	6	7	6	31	-
Total cropland	farms	782	215	163	325	280	1 289	19
	acres	151 655	24 558	25 803	65 394	47 994	219 621	(D)
Harvested cropland	farms	732	196	150	311	260	1 246	16
	acres	108 530	15 537	15 973	41 351	28 462	175 630	(D)
Irrigated land	farms	80	12	10	6	5	34	3
	acres	12 406	63	31	51	(D)	3 615	3
Market value of agricultural products sold	$1,000	59 320	4 220	4 568	6 725	8 683	62 190	(D)
Average per farm	dollars	70 703	18 189	26 714	19 897	29 138	46 654	(D)
Crops, including nursery and greenhouse crops	$1,000	19 060	1 018	687	1 418	694	21 875	(D)
Livestock, poultry, and their products	$1,000	40 260	3 202	3 881	5 307	7 989	40 315	(D)
Farms by value of sales:								
Less than $2,500		172	94	64	95	109	260	12
$2,500 to $4,999		112	45	30	60	45	172	3
$5,000 to $9,999		119	32	25	58	30	205	1
$10,000 to $24,999		133	25	24	53	45	295	4
$25,000 to $49,999		84	15	8	39	22	129	-
$50,000 to $99,999		69	11	7	20	25	106	-
$100,000 or more		150	10	13	13	22	166	-
Operators by principal occupation:								
Farming		456	99	78	166	135	631	9
Other		383	133	93	172	163	702	11
Operators by days worked off farm:								
Any		444	151	102	222	174	799	11
200 days or more		326	104	69	143	123	643	8
Average age of operator	years	51.1	50.6	52.0	51.1	51.5	49.9	(D)
Total farm production expenses[1]	$1,000	49 227	3 184	3 815	5 856	8 561	53 511	(D)
Average per farm	dollars	58 673	13 724	22 179	17 324	28 727	40 143	(D)
Livestock and poultry:								
Cattle and calves inventory	farms	275	129	98	186	173	480	7
	number	10 140	4 513	6 404	8 462	10 628	39 306	(D)
Beef cows	farms	146	68	66	108	81	130	5
	number	2 388	1 072	1 546	1 706	1 724	1 682	(D)
Milk cows	farms	54	37	20	65	56	193	1
	number	1 998	1 206	1 605	1 925	2 672	15 260	(D)
Cattle and calves sold	farms	232	122	91	177	159	434	7
	number	7 638	2 106	2 695	3 995	5 564	16 972	68
Hogs and pigs inventory	farms	258	14	22	31	39	134	2
	number	168 766	1 045	598	446	7 479	31 191	(D)
Hogs and pigs sold	farms	263	13	19	21	34	147	2
	number	290 506	1 289	554	1 434	11 748	52 060	(D)
Sheep and lambs inventory	farms	44	3	10	29	18	57	3
	number	2 404	199	307	1 575	1 122	3 320	58
Chickens 3 months old or older inventory	farms	64	27	31	24	19	66	5
	number	3 656	(D)	900	(D)	385	12 192	316
Broilers and other meat-type chickens sold	farms	5	3	3	1	2	7	-
	number	169	135	(D)	(D)	(D)	1 285	-
Selected crops harvested:								
Corn for grain or seed	farms	552	57	36	5	85	812	1
	acres	58 818	2 563	724	161	3 639	50 452	(D)
	bushels	5 890 101	226 197	59 725	8 420	227 055	4 770 290	(D)
Wheat for grain	farms	158	6	11	9	33	494	-
	acres	5 783	67	236	178	845	15 533	-
	bushels	268 196	1 930	13 305	5 810	28 327	687 557	-
Soybeans for beans	farms	287	-	-	-	6	757	-
	acres	20 888	-	-	-	81	51 849	-
	bushels	794 189	-	-	-	1 631	1 891 908	-
Dry edible beans, excluding dry limas	farms	2	2	3	-	-	126	-
	acres	(D)	(D)	(D)	-	-	5 905	-
	cwt	(D)	(D)	(D)	-	-	61 319	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	383	164	127	288	239	666	13
	acres	14 151	9 958	12 356	32 250	19 817	34 150	(D)
	tons, dry	37 313	19 977	23 090	50 378	26 598	93 650	(D)
Vegetables harvested for sale (see text)	farms	54	15	9	4	3	22	-
	acres	3 143	554	68	4	19	428	-
Land in orchards	farms	52	24	10	4	8	40	2
	acres	3 117	793	38	7	20	412	(D)

See footnotes at end of table.

Table 1. **County Summary Highlights: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
Farms	number	271	109	1 219	211	851	411	58
Land in farms	acres	73 981	28 967	233 517	44 850	145 269	68 285	5 936
Average size of farm	acres	273	266	192	213	171	166	102
Value of land and buildings[1]:								
Average per farm	dollars	116 852	153 064	161 762	156 156	198 105	112 221	(D)
Average per acre	dollars	420	548	867	754	1 225	723	(D)
Estimated market value of all machinery and equipment[1]:								
Average per farm	dollars	39 377	63 499	37 614	32 144	40 186	25 448	21 275
Farms by size:								
1 to 9 acres		9	6	51	11	52	13	2
10 to 49 acres		29	19	315	33	320	64	12
50 to 179 acres		95	23	464	89	299	217	38
180 to 499 acres		98	46	281	60	115	94	8
500 to 999 acres		33	13	76	13	38	20	-
1,000 acres or more		7	2	32	5	29	3	-
Total cropland	farms	258	103	1 166	203	797	394	55
	acres	37 828	14 927	188 024	25 649	126 584	49 499	3 454
Harvested cropland	farms	242	94	1 117	189	744	366	52
	acres	25 500	10 132	139 369	16 124	96 319	30 587	2 233
Irrigated land	farms	20	12	40	14	41	4	3
	acres	335	542	1 286	349	1 713	17	3
Market value of agricultural products sold	$1,000	8 330	4 426	38 658	4 655	29 481	6 929	936
Average per farm	dollars	30 739	40 606	31 713	22 061	34 643	16 859	16 136
Crops, including nursery and greenhouse crops	$1,000	1 802	1 881	22 508	1 475	15 512	1 811	111
Livestock, poultry, and their products	$1,000	6 528	2 545	16 150	3 179	13 969	5 118	825
Farms by value of sales:								
Less than $2,500		75	40	306	78	276	132	38
$2,500 to $4,999		42	16	191	37	149	61	6
$5,000 to $9,999		39	3	191	34	131	79	5
$10,000 to $24,999		43	15	199	19	135	70	2
$25,000 to $49,999		24	8	131	13	60	38	4
$50,000 to $99,999		25	12	105	16	40	19	1
$100,000 or more		23	15	96	14	60	12	2
Operators by principal occupation:								
Farming		142	69	533	110	364	206	23
Other		129	40	686	101	487	205	35
Operators by days worked off farm:								
Any		147	55	758	117	500	235	35
200 days or more		100	37	585	71	383	168	28
Average age of operator	years	51.9	52.3	50.2	52.7	52.0	52.3	52.5
Total farm production expenses[1]	$1,000	7 527	3 438	36 121	3 625	28 444	6 385	773
Average per farm	dollars	27 774	31 543	29 607	17 181	33 463	15 497	13 334
Livestock and poultry:								
Cattle and calves inventory	farms	167	68	470	133	245	242	35
	number	8 309	2 817	19 266	6 062	14 423	8 922	554
Beef cows	farms	90	42	241	94	121	131	25
	number	1 753	591	2 940	1 918	1 142	2 054	139
Milk cows	farms	63	22	132	32	44	77	9
	number	2 614	847	5 034	1 156	2 641	1 833	140
Cattle and calves sold	farms	157	58	416	125	217	236	29
	number	3 322	1 006	8 802	2 532	11 638	3 868	193
Hogs and pigs inventory	farms	13	11	133	16	74	61	2
	number	1 846	389	25 265	310	14 203	2 709	(D)
Hogs and pigs sold	farms	13	7	135	15	73	58	2
	number	2 290	829	41 245	842	23 694	8 249	(D)
Sheep and lambs inventory	farms	3	-	64	10	36	29	1
	number	103	-	3 252	333	1 099	986	(D)
Chickens 3 months old or older inventory	farms	13	12	73	26	74	60	4
	number	344	205	29 072	971	2 495	2 722	85
Broilers and other meat-type chickens sold	farms	-	1	6	1	5	13	1
	number	-	(D)	688	(D)	277	2 905	(D)
Selected crops harvested:								
Corn for grain or seed	farms	33	9	744	53	370	166	-
	acres	1 159	443	50 111	2 186	36 725	6 303	-
	bushels	109 784	37 270	4 831 215	209 678	3 198 056	442 749	-
Wheat for grain	farms	-	-	444	10	142	67	-
	acres	-	-	19 606	129	5 450	1 519	-
	bushels	-	-	873 556	5 060	230 926	61 695	-
Soybeans for beans	farms	2	-	396	-	312	33	-
	acres	(D)	-	26 357	-	26 676	1 433	-
	bushels	(D)	-	989 900	-	797 836	47 346	-
Dry edible beans, excluding dry limas	farms	10	-	158	2	25	13	-
	acres	924	-	13 696	(D)	1 116	1 494	-
	cwt	8 366	-	145 283	(D)	13 913	11 342	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	207	80	623	167	346	309	46
	acres	16 346	7 308	22 030	10 732	13 305	15 098	2 185
	tons, dry	32 315	12 503	54 294	23 326	27 279	23 384	2 491
Vegetables harvested for sale (see text)	farms	16	4	39	9	46	3	3
	acres	92	39	2 054	122	649	(D)	4
Land in orchards	farms	18	3	27	9	39	4	3
	acres	96	4	171	46	627	(D)	(D)

See footnotes at end of table.

Table 1. **County Summary Highlights: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
Farms	number	447	1 011	1 142	147	1 390	960	1 089	215
Land in farms	acres	69 954	282 467	242 353	31 751	424 427	207 726	253 500	47 988
Average size of farm	acres	156	279	212	216	305	216	233	223
Value of land and buildings[1]:									
Average per farm	dollars	197 706	248 593	183 752	104 411	314 577	243 025	196 633	136 259
Average per acre	dollars	1 391	825	835	467	1 003	1 107	857	644
Estimated market value of all machinery and equipment[1]:									
Average per farm	dollars	39 378	63 587	39 657	22 072	79 860	49 918	53 187	32 257
Farms by size:									
1 to 9 acres		36	50	47	1	89	65	55	5
10 to 49 acres		122	169	248	21	142	291	190	31
50 to 179 acres		190	352	468	75	458	314	443	95
180 to 499 acres		71	282	259	38	451	186	274	66
500 to 999 acres		20	103	84	9	175	75	97	15
1,000 acres or more		8	55	36	3	75	29	30	3
Total cropland	farms	417	972	1 089	145	1 314	912	1 046	207
	acres	50 180	249 668	196 210	16 168	383 583	172 277	207 677	26 892
Harvested cropland	farms	400	945	1 051	135	1 287	859	1 012	194
	acres	36 179	205 688	143 798	10 017	322 799	130 575	156 360	17 051
Irrigated land	farms	88	29	37	11	25	26	47	4
	acres	2 584	1 648	4 316	37	1 585	1 844	3 792	(D)
Market value of agricultural products sold	$1,000	12 967	66 273	53 208	2 252	145 602	48 181	69 853	6 596
Average per farm	dollars	29 009	65 552	46 592	15 319	104 750	48 105	64 144	30 680
Crops, including nursery and greenhouse crops	$1,000	9 154	37 300	20 861	693	53 765	20 137	20 569	754
Livestock, poultry, and their products	$1,000	3 813	28 972	32 346	1 559	91 837	26 044	49 284	5 842
Farms by value of sales:									
Less than $2,500		127	150	247	59	125	252	244	85
$2,500 to $4,999		46	111	168	27	86	158	126	27
$5,000 to $9,999		56	130	182	23	118	147	173	28
$10,000 to $24,999		87	186	205	16	255	147	176	37
$25,000 to $49,999		56	140	102	9	234	64	92	20
$50,000 to $99,999		48	114	113	6	203	64	96	7
$100,000 or more		27	180	125	7	369	128	182	11
Operators by principal occupation:									
Farming		241	612	560	64	1 053	423	566	104
Other		206	399	582	83	337	537	523	111
Operators by days worked off farm:									
Any		280	535	663	93	555	577	635	123
200 days or more		174	363	473	58	314	450	472	86
Average age of operator	years	51.4	49.3	51.9	50.5	48.0	51.3	49.4	53.4
Total farm production expenses[1]	$1,000	12 872	55 421	49 112	1 809	129 370	44 166	61 561	6 238
Average per farm	dollars	28 861	54 818	43 006	12 391	93 072	46 007	56 530	28 881
Livestock and poultry:									
Cattle and calves inventory	farms	113	333	447	75	632	379	517	125
	number	4 592	29 895	26 296	2 229	74 370	25 973	38 642	8 937
Beef cows	farms	57	102	143	35	69	150	151	85
	number	805	1 250	1 490	430	1 360	2 520	1 992	1 784
Milk cows	farms	23	120	153	27	327	117	187	33
	number	1 064	8 114	7 525	677	17 413	8 700	13 457	1 471
Cattle and calves sold	farms	104	318	410	65	641	358	488	119
	number	2 290	19 556	17 738	967	67 685	10 648	16 395	5 711
Hogs and pigs inventory	farms	35	135	209	7	116	114	144	11
	number	3 996	21 543	43 153	24	44 207	27 422	35 059	1 423
Hogs and pigs sold	farms	34	135	216	1	119	123	140	8
	number	6 171	32 246	85 215	(D)	96 840	49 386	59 117	3 526
Sheep and lambs inventory	farms	6	35	61	4	23	79	32	7
	number	406	970	2 070	442	349	4 515	1 794	296
Chickens 3 months old or older inventory	farms	36	51	78	12	58	56	50	26
	number	1 032	135 721	72 215	(D)	1 141 641	23 928	(D)	747
Broilers and other meat-type chickens sold	farms	1	11	15	7	14	5	1	2
	number	(D)	657	1 742	353	(D)	1 695	(D)	(D)
Selected crops harvested:									
Corn for grain or seed	farms	97	664	804	7	1 022	528	747	74
	acres	6 404	61 687	69 648	309	95 978	55 236	54 841	2 641
	bushels	352 151	6 080 073	6 422 151	38 960	9 516 420	4 564 646	5 487 336	223 230
Wheat for grain	farms	47	260	324	-	593	283	418	14
	acres	1 446	9 273	8 098	-	23 356	13 538	16 262	385
	bushels	49 798	439 413	375 760	-	1 371 331	655 440	712 061	12 942
Soybeans for beans	farms	-	577	578	-	121	263	338	3
	acres	-	54 987	34 700	-	5 097	21 620	22 178	135
	bushels	-	2 015 476	1 071 932	-	156 635	659 415	841 924	3 870
Dry edible beans, excluding dry limas	farms	-	360	3	-	834	17	76	2
	acres	-	37 541	(D)	-	88 195	1 728	9 643	(D)
	cwt	-	429 653	(D)	-	1 339 474	15 193	100 382	(D)
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	175	377	577	107	682	550	669	172
	acres	11 542	17 590	24 072	8 288	40 595	26 258	35 178	11 379
	tons, dry	21 879	43 279	71 140	11 910	123 728	71 724	103 968	21 390
Vegetables harvested for sale (see text)	farms	41	61	21	9	11	36	49	5
	acres	2 877	4 241	348	49	55	2 438	1 843	31
Land in orchards	farms	210	12	17	6	10	37	44	6
	acres	12 240	172	278	10	35	344	2 520	37

See footnotes at end of table.

Table 1. **County Summary Highlights: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
Farms number	95	912	1 103	842	89	1 368	2	111
Land in farms acres	26 714	194 928	218 375	168 310	16 318	203 842	(D)	18 555
Average size of farm acres	281	214	198	200	183	149	(D)	167
Value of land and buildings[1]:								
Average per farm dollars	120 916	157 111	174 618	234 532	127 281	202 820	(D)	117 613
Average per acre dollars	430	680	871	1 235	694	1 274	(D)	607
Estimated market value of all machinery and equipment[1]:								
Average per farm dollars	29 895	38 357	42 218	41 980	32 172	42 890	(D)	22 166
Farms by size:								
1 to 9 acres	1	32	52	91	2	126	-	1
10 to 49 acres	9	161	285	261	17	430	2	27
50 to 179 acres	41	375	447	265	36	489	-	51
180 to 499 acres	29	250	218	137	29	234	-	26
500 to 999 acres	9	75	68	54	4	62	-	5
1,000 acres or more	6	19	33	34	1	27	-	1
Total cropland farms	90	872	1 029	805	86	1 268	2	107
acres	10 885	158 954	160 981	132 533	10 741	163 275	(D)	11 004
Harvested cropland farms	86	831	959	730	81	1 175	2	98
acres	7 251	122 657	112 986	94 047	5 801	121 233	(D)	6 030
Irrigated land farms	4	24	50	146	10	144	-	-
acres	340	1 443	4 720	15 162	1 149	7 445	-	-
Market value of agricultural products sold $1,000	1 633	39 467	45 984	64 511	2 306	82 963	-	1 283
Average per farm dollars	17 186	43 276	41 690	76 616	25 909	60 660	-	11 560
Crops, including nursery and greenhouse crops $1,000	596	10 066	13 333	35 969	1 183	50 383	-	147
Livestock, poultry, and their products $1,000	1 037	29 402	32 651	28 542	1 122	32 600	-	1 136
Farms by value of sales:								
Less than $2,500	47	204	332	232	35	397	2	44
$2,500 to $4,999	13	103	201	104	19	163	-	25
$5,000 to $9,999	10	151	167	114	12	196	-	17
$10,000 to $24,999	8	168	165	128	7	188	-	13
$25,000 to $49,999	9	108	79	59	4	105	-	5
$50,000 to $99,999	3	67	59	58	7	108	-	4
$100,000 or more	5	111	100	147	5	211	-	3
Operators by principal occupation:								
Farming	44	482	485	392	36	625	-	47
Other	51	430	618	450	53	743	2	64
Operators by days worked off farm:								
Any	59	491	655	500	58	809	2	68
200 days or more	47	339	493	379	41	610	2	52
Average age of operator years	50.8	50.7	51.7	50.5	52.4	49.8	(D)	51.7
Total farm production expenses[1] $1,000	1 708	34 486	43 946	50 477	2 104	66 289	(D)	1 365
Average per farm dollars	17 975	37 813	39 842	59 949	23 639	48 421	(D)	12 294
Livestock and poultry:								
Cattle and calves inventory farms	57	408	442	225	37	531	1	70
number	2 097	31 312	28 835	13 178	1 052	34 672	(D)	1 909
Beef cows farms	45	158	229	124	21	227	1	47
number	938	3 109	3 952	1 744	162	3 286	(D)	500
Milk cows farms	13	167	99	41	14	173	-	17
number	330	9 938	6 527	2 832	360	12 343	-	405
Cattle and calves sold farms	56	387	425	196	35	519	-	70
number	1 139	14 521	17 227	8 969	386	17 002	-	1 137
Hogs and pigs inventory farms	6	105	163	98	13	108	-	14
number	127	18 774	58 450	25 702	1 166	17 065	-	329
Hogs and pigs sold farms	4	103	172	103	10	112	-	14
number	(D)	31 681	96 502	52 428	3 057	27 198	-	746
Sheep and lambs inventory farms	11	25	68	41	2	37	-	3
number	357	1 777	4 920	3 281	(D)	949	-	(D)
Chickens 3 months old or older inventory farms	13	46	94	59	18	62	-	16
number	779	(D)	20 766	426 863	706	2 795	-	(D)
Broilers and other meat-type chickens sold farms	-	8	8	16	2	10	-	1
number	-	636	988	2 294	(D)	880	-	(D)
Selected crops harvested:								
Corn for grain or seed farms	-	490	656	403	41	596	-	20
acres	-	33 545	55 799	43 636	1 343	39 847	-	256
bushels	-	2 581 707	3 866 457	4 391 393	114 951	3 684 369	-	15 860
Wheat for grain farms	1	257	290	200	14	205	-	3
acres	(D)	8 281	9 052	10 528	511	5 565	-	(D)
bushels	(D)	349 521	359 503	436 500	23 152	243 064	-	2 550
Soybeans for beans farms	-	186	110	256	1	38	-	-
acres	-	11 526	5 209	20 673	(D)	2 520	-	-
bushels	-	381 836	142 454	802 118	(D)	91 803	-	-
Dry edible beans, excluding dry limas farms	-	146	2	5	-	9	-	-
acres	-	10 945	(D)	178	-	1 346	-	-
cwt	-	110 499	(D)	1 667	-	19 108	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) farms	80	570	634	318	59	757	2	92
acres	5 925	40 998	32 310	11 642	3 041	39 950	(D)	5 148
tons, dry	8 545	95 652	82 066	33 479	4 198	109 579	(D)	7 218
Vegetables harvested for sale (see text) farms	-	12	48	45	4	118	-	1
acres	-	325	1 903	2 129	(D)	4 311	-	(D)
Land in orchards farms	-	8	37	62	2	257	-	7
acres	-	96	593	1 622	(D)	16 332	-	14

See footnotes at end of table.

Table 1. **County Summary Highlights: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
Farms	number	1 228	394	1 387	789	34	80	667	280
Land in farms	acres	218 779	65 482	344 801	128 511	10 637	24 583	79 683	46 747
Average size of farm	acres	178	166	249	163	313	307	119	167
Value of land and buildings[1]:									
Average per farm	dollars	212 324	274 972	297 357	221 727	138 735	119 413	232 754	133 804
Average per acre	dollars	1 121	1 617	1 190	1 329	443	389	2 017	799
Estimated market value of all machinery and equipment[1]:									
Average per farm	dollars	45 190	58 886	55 156	37 013	30 497	29 282	42 673	32 739
Farms by size:									
1 to 9 acres		73	19	81	44	1	1	81	9
10 to 49 acres		397	63	277	288	4	6	233	71
50 to 179 acres		437	197	517	264	12	33	238	125
180 to 499 acres		225	95	288	125	11	26	84	62
500 to 999 acres		66	14	160	47	4	11	23	9
1,000 acres or more		30	6	64	21	2	3	8	4
Total cropland	farms	1 153	377	1 318	734	34	80	639	273
	acres	175 050	39 218	310 342	99 835	5 787	14 635	68 255	29 246
Harvested cropland	farms	1 067	368	1 265	663	31	75	600	256
	acres	126 110	27 130	254 847	71 499	3 115	9 248	54 241	18 203
Irrigated land	farms	64	68	44	51	1	2	91	51
	acres	3 869	2 292	3 131	1 768	(D)	(D)	2 054	3 676
Market value of agricultural products sold	$1,000	55 582	15 151	78 772	30 418	861	2 653	30 471	9 370
Average per farm	dollars	45 262	38 454	56 793	38 552	25 311	33 163	45 683	33 465
Crops, including nursery and greenhouse crops	$1,000	30 132	11 615	46 469	13 905	362	214	25 481	8 218
Livestock, poultry, and their products	$1,000	25 450	3 536	32 303	16 513	499	2 440	4 990	1 152
Farms by value of sales:									
Less than $2,500		428	100	231	239	10	21	155	111
$2,500 to $4,999		192	40	127	131	6	18	81	48
$5,000 to $9,999		157	51	210	138	3	8	105	34
$10,000 to $24,999		137	64	286	101	5	9	112	30
$25,000 to $49,999		99	61	176	50	4	5	73	19
$50,000 to $99,999		83	38	123	49	3	12	54	14
$100,000 or more		132	40	234	81	3	7	87	24
Operators by principal occupation:									
Farming		593	224	719	328	18	41	359	133
Other		635	170	668	461	16	39	308	147
Operators by days worked off farm:									
Any		709	227	842	487	19	48	348	164
200 days or more		540	127	606	362	12	29	254	106
Average age of operator	years	51.0	51.5	49.9	51.6	51.6	50.4	52.9	51.9
Total farm production expenses[1]	$1,000	50 094	15 202	71 542	26 027	811	2 064	23 629	7 178
Average per farm	dollars	40 727	38 487	51 580	33 029	23 864	25 800	35 425	25 636
Livestock and poultry:									
Cattle and calves inventory	farms	559	80	325	305	17	61	157	104
	number	30 285	3 862	29 033	18 903	1 365	3 597	5 508	2 999
Beef cows	farms	241	32	78	140	16	32	72	76
	number	2 486	387	1 657	1 341	409	577	470	1 039
Milk cows	farms	196	24	110	98	-	19	40	16
	number	9 670	807	7 695	5 800	-	976	1 887	239
Cattle and calves sold	farms	511	76	315	272	17	56	135	90
	number	15 748	3 147	18 238	10 958	763	1 496	2 462	1 739
Hogs and pigs inventory	farms	35	12	170	87	3	3	38	17
	number	9 591	1 112	37 611	5 553	(D)	(D)	3 885	670
Hogs and pigs sold	farms	84	10	183	81	5	4	42	21
	number	13 352	1 009	75 401	10 067	(D)	22	6 231	997
Sheep and lambs inventory	farms	71	3	67	71	-	3	24	8
	number	2 691	(D)	5 271	2 217	-	(D)	613	199
Chickens 3 months old or older inventory	farms	97	21	68	73	3	9	53	34
	number	5 963	7 835	(D)	2 260	220	886	19 025	958
Broilers and other meat-type chickens sold	farms	19	1	8	7	-	2	9	3
	number	2 374	(D)	1 075	(D)	-	(D)	4 905	484
Selected crops harvested:									
Corn for grain or seed	farms	562	69	941	352	1	2	240	62
	acres	46 631	3 121	92 890	28 864	(D)	(D)	15 496	1 496
	bushels	4 922 521	241 705	9 007 354	2 999 166	(D)	(D)	1 710 229	74 909
Wheat for grain	farms	160	13	493	155	1	6	68	17
	acres	4 966	207	19 552	5 449	(D)	154	1 926	460
	bushels	214 661	7 184	972 266	229 638	(D)	6 005	90 293	10 303
Soybeans for beans	farms	141	2	948	78	-	-	200	-
	acres	7 665	(D)	106 999	4 428	-	-	17 103	-
	bushels	284 976	(D)	3 779 702	147 947	-	-	672 270	-
Dry edible beans, excluding dry limas	farms	44	-	20	4	-	-	12	4
	acres	6 024	-	692	(D)	-	-	433	968
	cwt	95 152	-	10 370	824	-	-	6 786	10 105
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	805	124	434	477	22	68	223	148
	acres	41 934	6 349	20 294	24 075	2 305	7 931	7 669	6 117
	tons, dry	104 175	11 502	61 693	70 118	4 356	16 320	19 268	9 408
Vegetables harvested for sale (see text)	farms	80	16	78	30	4	3	139	46
	acres	4 414	183	3 421	2 170	21	(D)	4 680	1 963
Land in orchards	farms	47	258	43	31	3	-	48	85
	acres	757	15 888	696	553	7	-	1 548	5 161

See footnotes at end of table.

Table 1. **County Summary Highlights: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
Farms	number	101	426	639	374	459	304	1 258	980
Land in farms	acres	24 484	76 193	127 078	118 338	94 465	87 314	220 274	238 387
Average size of farm	acres	242	179	199	316	206	287	175	243
Value of land and buildings[1]:									
Average per farm	dollars	114 109	135 915	114 324	142 543	183 545	181 482	231 708	174 925
Average per acre	dollars	504	713	677	474	953	630	1 363	743
Estimated market value of all machinery and equipment[1]:									
Average per farm	dollars	31 787	39 475	32 935	45 061	44 277	62 970	45 634	44 789
Farms by size:									
1 to 9 acres		5	13	16	5	24	15	110	48
10 to 49 acres		17	107	92	37	118	27	414	168
50 to 179 acres		39	169	286	120	187	87	395	385
180 to 499 acres		28	99	192	138	75	129	235	236
500 to 999 acres		8	32	46	57	38	35	70	107
1,000 acres or more		4	6	7	17	17	11	34	36
Total cropland	farms	92	406	619	362	424	289	1 207	929
	acres	10 527	56 687	89 564	63 542	74 957	61 912	203 774	186 322
Harvested cropland	farms	76	391	569	348	399	276	1 148	884
	acres	6 026	38 968	59 270	50 188	59 020	49 400	177 632	133 416
Irrigated land	farms	3	48	23	2	10	23	55	142
	acres	5	2 266	4 046	(D)	603	2 018	2 181	28 987
Market value of agricultural products sold	$1,000	1 783	15 715	19 039	17 869	15 328	22 751	58 894	48 704
Average per farm	dollars	17 651	36 889	29 794	47 779	33 394	74 840	46 816	49 698
Crops, including nursery and greenhouse crops	$1,000	878	8 403	4 674	1 134	9 850	1 569	45 777	28 348
Livestock, poultry, and their products	$1,000	905	7 312	14 364	16 736	5 478	21 182	13 117	20 356
Farms by value of sales:									
Less than $2,500		59	115	198	103	121	62	268	253
$2,500 to $4,999		11	44	89	43	65	31	177	125
$5,000 to $9,999		11	72	105	51	75	30	190	134
$10,000 to $24,999		5	68	92	47	90	33	243	164
$25,000 to $49,999		6	45	56	30	43	23	151	83
$50,000 to $99,999		3	40	39	49	32	34	106	89
$100,000 or more		6	42	60	51	33	91	123	132
Operators by principal occupation:									
Farming		33	210	338	230	177	205	563	550
Other		68	216	301	144	282	99	695	430
Operators by days worked off farm:									
Any		69	253	350	181	297	119	787	517
200 days or more		48	150	252	119	220	66	574	359
Average age of operator	years	47.9	51.4	51.8	51.1	49.9	50.3	50.1	50.5
Total farm production expenses[1]	$1,000	1 385	13 031	14 687	13 101	13 189	16 980	54 940	42 916
Average per farm	dollars	13 715	30 590	22 984	35 030	28 735	55 671	43 673	43 836
Livestock and poultry:									
Cattle and calves inventory	farms	47	135	374	260	149	199	201	399
	number	1 569	7 897	17 567	18 636	6 910	21 621	8 842	22 355
Beef cows	farms	34	50	181	110	99	37	68	146
	number	443	496	2 051	1 465	923	970	343	1 382
Milk cows	farms	16	64	143	137	19	134	42	170
	number	388	3 025	6 029	7 096	[illegible]	9 197	1 346	8 759
Cattle and calves sold	farms	39	135	355	263	[illegible]	202	170	384
	number	514	3 152	6 879	7 013	5 703	9 082	12 986	10 516
Hogs and pigs inventory	farms	6	32	86	17	60	19	122	119
	number	(D)	4 196	8 959	875	5 777	3 242	14 842	10 716
Hogs and pigs sold	farms	5	23	84	15	58	19	120	120
	number	(D)	10 385	13 818	1 265	10 180	(D)	28 689	17 412
Sheep and lambs inventory	farms	7	15	18	7	15	9	55	23
	number	259	1 592	1 514	219	331	573	1 203	882
Chickens 3 months old or older inventory	farms	15	32	56	36	38	19	95	81
	number	409	(D)	2 719	(D)	1 124	508	56 869	2 571
Broilers and other meat-type chickens sold	farms	1	6	7	2	5	2	15	4
	number	(D)	1 615	(D)	(D)	373	(D)	2 945	130
Selected crops harvested:									
Corn for grain or seed	farms	2	154	274	113	240	76	719	605
	acres	(D)	7 959	11 825	6 524	19 602	4 236	56 040	41 000
	bushels	(D)	636 048	842 597	566 436	1 912 103	296 833	5 895 726	3 629 977
Wheat for grain	farms	-	49	85	2	68	20	249	281
	acres	-	1 550	1 867	(D)	2 168	361	8 510	12 634
	bushels	-	60 686	58 956	(D)	120 872	11 317	439 168	488 076
Soybeans for beans	farms	-	6	6	1	185	-	894	106
	acres	-	206	125	(D)	15 769	-	95 473	6 639
	bushels	-	5 235	2 344	(D)	576 930	-	3 271 933	219 811
Dry edible beans, excluding dry limas	farms	-	2	25	-	104	2	6	160
	acres	-	(D)	3 377	-	11 271	(D)	309	17 366
	cwt	-	(D)	35 493	-	149 566	(D)	5 304	179 088
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	62	222	509	329	174	253	252	557
	acres	4 679	14 814	35 219	35 316	5 041	36 102	4 727	30 551
	tons, dry	8 914	33 294	76 085	61 583	9 469	62 226	13 575	79 645
Vegetables harvested for sale (see text)	farms	3	101	19	5	17	1	107	43
	acres	(D)	5 012	546	16	503	(D)	3 627	2 672
Land in orchards	farms	9	65	15	12	9	3	57	23
	acres	66	5 732	356	50	28	2	293	1 119

See footnotes at end of table.

Table 1. **County Summary Highlights: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
Farms .... number	108	460	687	596	686	288	117	503
Land in farms .... acres	24 040	82 224	115 937	60 358	133 115	78 200	36 507	111 662
Average size of farm .... acres	223	179	169	101	194	272	312	222
Value of land and buildings[1]:								
Average per farm .... dollars	140 841	185 757	142 818	211 653	199 690	193 406	111 590	156 950
Average per acre .... dollars	635	1 001	802	2 405	991	747	370	720
Estimated market value of all machinery and equipment[1]:								
Average per farm .... dollars	34 763	50 740	51 957	37 494	46 414	53 335	23 109	37 542
Farms by size:								
1 to 9 acres	1	26	24	107	24	5	2	10
10 to 49 acres	15	139	160	284	168	40	7	64
50 to 179 acres	49	194	285	119	280	120	36	223
180 to 499 acres	32	65	170	63	150	85	57	150
500 to 999 acres	9	30	42	15	55	30	13	49
1,000 acres or more	2	6	6	8	9	8	2	7
Total cropland .... farms	105	428	660	503	660	281	115	479
acres	15 004	56 910	84 764	47 708	85 922	53 732	16 776	75 019
Harvested cropland .... farms	103	391	626	408	637	264	111	441
acres	9 482	44 267	60 725	32 533	61 720	39 659	11 950	51 682
Irrigated land .... farms	3	57	57	69	69	8	2	9
acres	(D)	6 094	4 767	1 002	3 927	44	(D)	739
Market value of agricultural products sold $1,000	2 544	26 506	31 697	22 154	35 442	12 011	2 093	15 922
Average per farm .... dollars	23 559	57 621	46 138	37 171	51 665	41 704	17 888	31 654
Crops, including nursery and greenhouse crops $1,000	624	15 121	12 866	18 657	23 400	1 917	533	1 458
Livestock, poultry, and their products $1,000	1 920	11 385	18 831	3 497	12 042	10 093	1 560	14 463
Farms by value of sales:								
Less than $2,500	39	141	185	267	173	79	36	178
$2,500 to $4,999	13	67	106	76	83	44	16	82
$5,000 to $9,999	19	56	87	83	95	36	26	69
$10,000 to $24,999	10	56	86	69	108	46	17	60
$25,000 to $49,999	12	41	75	35	68	17	9	36
$50,000 to $99,999	10	33	60	32	69	28	9	28
$100,000 or more	5	66	88	34	90	38	4	50
Operators by principal occupation:								
Farming	54	211	344	224	352	163	68	270
Other	54	249	343	372	334	125	49	233
Operators by days worked off farm:								
Any	57	275	399	384	420	156	62	271
200 days or more	39	204	285	282	265	106	41	181
Average age of operator .... years	54.8	50.8	50.1	51.6	50.5	51.9	53.3	52.1
Total farm production expenses[1] $1,000	2 304	22 745	26 581	22 022	30 795	10 841	1 464	12 635
Average per farm .... dollars	21 537	49 445	38 692	36 949	44 891	37 642	12 513	25 119
Livestock and poultry:								
Cattle and calves inventory .... farms	60	192	363	160	237	188	76	304
number	2 607	11 658	19 977	5 119	12 490	14 074	3 255	18 264
Beef cows .... farms	27	78	137	98	100	82	37	161
number	334	736	1 172	1 532	1 254	1 236	785	2 387
Milk cows .... farms	22	62	169	30	61	75	23	120
number	912	3 898	7 592	1 032	2 883	4 602	720	6 718
Cattle and calves sold .... farms	60	176	341	135	217	173	72	287
number	1 245	6 316	9 178	1 704	9 651	5 545	1 311	7 974
Hogs and pigs inventory .... farms	13	52	67	29	52	25	3	48
number	387	6 682	6 696	1 870	10 435	1 362	(D)	2 904
Hogs and pigs sold .... farms	10	55	65	30	58	23	1	46
number	615	11 682	14 380	3 643	20 035	1 876	(D)	6 468
Sheep and lambs inventory .... farms	4	6	20	57	15	11	4	20
number	332	247	408	1 410	229	223	(D)	815
Chickens 3 months old or older inventory .... farms	9	33	40	69	53	23	12	41
number	237	1 271	108 787	2 181	(D)	607	314	1 731
Broilers and other meat-type chickens sold .... farms	1	8	4	7	5	3	-	2
number	(D)	1 879	(D)	2 019	1 085	(D)	-	(D)
Selected crops harvested:								
Corn for grain or seed .... farms	24	175	334	105	203	103	2	98
acres	1 561	15 968	17 133	14 268	8 599	6 848	(D)	4 509
bushels	142 027	1 280 638	1 514 391	1 501 057	714 264	604 420	(D)	336 676
Wheat for grain .... farms	16	27	63	43	47	22	4	25
acres	441	805	1 039	1 707	1 003	1 090	(D)	458
bushels	12 998	43 128	41 947	71 908	39 188	39 684	1 742	16 141
Soybeans for beans .... farms	-	7	2	9	1	2	-	3
acres	-	1 129	(D)	1 277	(D)	(D)	-	260
bushels	-	(D)	(D)	43 402	(D)	(D)	-	10 400
Dry edible beans, excluding dry limas .... farms	7	-	4	-	1	1	-	-
acres	533	-	166	-	(D)	(D)	-	-
cwt	5 467	-	1 464	-	(D)	(D)	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) .... farms	93	243	485	263	322	244	99	416
acres	5 313	14 400	29 716	11 915	15 118	24 921	9 534	40 655
tons, dry	10 604	38 197	63 567	26 545	35 758	48 073	15 496	60 957
Vegetables harvested for sale (see text) .... farms	3	60	58	38	315	5	4	5
acres	13	4 236	4 885	575	17 079	42	6	13
Land in orchards .... farms	4	33	38	33	214	6	10	3
acres	7	3 928	2 413	523	15 683	31	31	10

See footnotes at end of table.

Table 1. **County Summary Highlights: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
Farms	number	84	133	1 471	293	31	1 424	1 092	880
Land in farms	acres	17 167	39 788	177 894	81 681	4 159	308 269	177 068	213 857
Average size of farm	acres	204	299	121	279	134	216	162	243
Value of land and buildings[1]:									
Average per farm	dollars	145 048	163 812	207 266	138 939	110 548	230 051	174 973	248 265
Average per acre	dollars	710	525	1 754	510	824	1 050	1 099	1 039
Estimated market value of all machinery and equipment[1]:									
Average per farm	dollars	24 780	35 448	52 554	49 587	15 494	49 634	39 641	55 763
Farms by size:									
1 to 9 acres		5	2	156	4	1	62	36	52
10 to 49 acres		10	12	479	24	6	349	292	163
50 to 179 acres		37	53	541	115	17	582	488	336
180 to 499 acres		26	50	242	107	6	284	210	210
500 to 999 acres		5	10	43	32	1	98	47	91
1,000 acres or more		1	6	10	11	-	49	19	28
Total cropland	farms	78	127	1 380	283	30	1 376	1 047	838
	acres	10 679	18 017	146 152	51 610	2 362	277 062	148 961	179 703
Harvested cropland	farms	71	121	1 305	269	22	1 332	984	805
	acres	6 250	12 121	112 721	37 031	1 396	246 217	107 002	136 100
Irrigated land	farms	1	7	296	18	1	43	31	229
	acres	(D)	580	10 537	1 112	(D)	2 042	343	58 989
Market value of agricultural products sold	$1,000	2 599	2 935	182 959	11 562	189	63 362	36 495	46 042
Average per farm	dollars	30 935	22 070	124 378	39 462	6 090	44 496	33 420	52 321
Crops, including nursery and greenhouse crops	$1,000	106	1 041	78 706	6 178	79	49 950	16 776	27 325
Livestock, poultry, and their products	$1,000	2 493	1 894	104 253	5 385	110	13 411	17 719	18 718
Farms by value of sales:									
Less than $2,500		20	44	309	70	15	239	307	140
$2,500 to $4,999		7	17	164	32	4	139	169	105
$5,000 to $9,999		12	11	205	59	8	213	192	131
$10,000 to $24,999		9	28	204	58	2	356	170	174
$25,000 to $49,999		21	16	131	26	2	173	107	105
$50,000 to $99,999		8	7	136	13	-	136	78	94
$100,000 or more		7	8	322	35	-	168	69	131
Operators by principal occupation:									
Farming		60	67	742	159	8	755	490	475
Other		24	66	729	134	23	669	602	405
Operators by days worked off farm:									
Any		53	84	852	145	25	811	673	507
200 days or more		23	65	623	99	15	589	512	362
Average age of operator	years	49.8	52.9	48.3	52.2	51.9	50.3	52.0	50.2
Total farm production expenses[1]	$1,000	2 022	2 508	152 637	9 452	202	54 886	30 864	42 085
Average per farm	dollars	24 076	18 855	103 694	32 259	6 529	38 543	28 081	47 801
Livestock and poultry:									
Cattle and calves inventory	farms	54	56	607	193	14	317	422	303
	number	2 740	3 183	40 843	9 669	326	14 622	16 422	14 045
Beef cows	farms	14	21	211	118	14	115	229	110
	number	477	261	2 266	1 985	(D)	614	2 196	1 401
Milk cows	farms	31	22	205	51	-	85	118	105
	number	797	761	12 517	2 345	-	4 175	3 896	3 833
Cattle and calves sold	farms	55	68	584	193	13	276	370	276
	number	1 884	2 037	40 069	3 545	254	7 828	11 864	5 520
Hogs and pigs inventory	farms	7	6	176	11	2	84	87	206
	number	278	215	90 617	(D)	(D)	7 252	4 890	48 628
Hogs and pigs sold	farms	10	4	193	10	2	79	77	218
	number	514	(D)	168 880	(D)	(D)	15 784	7 308	81 697
Sheep and lambs inventory	farms	11	4	23	2	2	32	40	64
	number	682	152	462	(D)	(D)	2 454	879	2 051
Chickens 3 months old or older inventory	farms	17	18	69	42	4	91	69	85
	number	1 005	473	2 392 286	1 608	91	18 578	(D)	90 216
Broilers and other meat-type chickens sold	farms	3	1	21	7	-	7	19	14
	number	760	(D)	369 297	800	-	669	2 995	2 577
Selected crops harvested:									
Corn for grain or seed	farms	14	35	683	66	1	830	444	653
	acres	290	814	42 328	2 839	(D)	61 461	29 812	79 798
	bushels	15 145	74 473	4 055 681	258 173	(D)	6 799 074	3 246 807	9 435 911
Wheat for grain	farms	-	10	109	42	-	354	91	191
	acres	-	248	2 011	1 194	-	12 071	2 962	5 841
	bushels	-	7 974	82 869	46 618	-	700 737	113 300	242 451
Soybeans for beans	farms	-	-	33	-	-	1 025	418	392
	acres	-	-	1 148	-	-	110 340	33 349	30 299
	bushels	-	-	38 364	-	-	4 132 161	1 234 413	1 166 632
Dry edible beans, excluding dry limas	farms	-	1	-	52	-	335	30	2
	acres	-	(D)	-	5 301	-	25 821	1 035	(D)
	cwt	-	(D)	-	63 154	-	316 609	17 237	(D)
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	71	109	745	232	16	353	631	398
	acres	5 097	9 380	33 541	16 359	1 289	11 247	26 696	12 888
	tons, dry	7 698	17 495	84 903	35 573	1 216	32 119	48 832	39 219
Vegetables harvested for sale (see text)	farms	3	4	152	8	-	59	45	29
	acres	(D)	5	4 475	21	-	3 016	1 060	2 669
Land in orchards	farms	3	1	101	10	2	30	27	11
	acres	4	(D)	6 804	26	(D)	147	278	258

See footnotes at end of table.

Table 1. **County Summary Highlights: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
Farms	number	1 559	52	1 160	1 207	1 278	1 222	334	178
Land in farms	acres	431 199	(D)	240 357	328 705	190 251	204 272	22 196	31 103
Average size of farm	acres	277	(D)	207	272	149	167	66	175
Value of land and buildings[1]:									
Average per farm	dollars	213 511	109 731	177 609	278 930	164 920	253 187	211 171	97 118
Average per acre	dollars	764	376	873	1 000	1 121	1 523	3 560	599
Estimated market value of all machinery and equipment[1]:									
Average per farm	dollars	60 821	27 506	43 994	60 401	44 573	46 303	29 737	24 173
Farms by size:									
1 to 9 acres		63	1	41	49	66	67	72	3
10 to 49 acres		225	11	263	227	425	383	150	33
50 to 179 acres		562	14	457	465	533	435	87	82
180 to 499 acres		477	18	269	273	190	243	19	50
500 to 999 acres		161	5	102	124	47	74	4	10
1,000 acres or more		71	3	28	69	17	20	2	-
Total cropland	farms	1 488	50	1 124	1 151	1 245	1 151	297	167
	acres	390 529	9 323	203 050	294 089	147 653	170 968	19 024	18 547
Harvested cropland	farms	1 440	43	1 078	1 110	1 187	1 063	259	161
	acres	303 733	5 499	165 476	243 649	103 657	131 246	14 654	12 263
Irrigated land	farms	39	2	25	37	174	76	76	8
	acres	1 997	(D)	1 241	2 781	23 763	4 181	734	106
Market value of agricultural products sold	$1,000	97 533	936	38 425	75 112	69 624	47 697	16 798	3 156
Average per farm	dollars	62 561	17 995	33 125	62 230	54 479	39 032	50 292	17 733
Crops, including nursery and greenhouse crops	$1,000	40 886	234	19 956	52 431	53 085	19 808	16 317	719
Livestock, poultry, and their products	$1,000	56 647	702	18 470	22 680	16 539	27 889	481	2 437
Farms by value of sales:									
Less than $2,500		216	15	245	243	331	330	108	86
$2,500 to $4,999		162	9	164	129	175	186	53	20
$5,000 to $9,999		209	5	179	134	190	200	46	17
$10,000 to $24,999		281	12	223	204	217	198	55	29
$25,000 to $49,999		207	5	139	144	112	88	26	9
$50,000 to $99,999		191	5	103	132	122	85	16	8
$100,000 or more		293	1	107	221	131	135	30	9
Operators by principal occupation:									
Farming		1 086	24	584	674	631	570	166	92
Other		473	28	576	533	647	652	168	86
Operators by days worked off farm:									
Any		689	33	667	648	748	719	163	103
200 days or more		440	17	505	467	522	551	122	65
Average age of operator	years	50.5	51.7	51.2	49.7	52.5	51.6	53.7	54.0
Total farm production expenses[1]	$1,000	79 886	917	35 213	64 323	58 663	46 007	13 467	2 718
Average per farm	dollars	51 242	17 640	30 356	53 336	45 938	37 649	40 320	15 269
Livestock and poultry:									
Cattle and calves inventory	farms	772	27	361	421	264	393	44	85
	number	65 275	1 895	20 691	19 906	10 700	26 113	353	3 152
Beef cows	farms	159	22	127	174	120	135	25	40
	number	1 904	(D)	1 617	1 844	1 424	1 672	123	452
Milk cows	farms	430	2	129	118	56	114	6	22
	number	25 571	(D)	7 298	6 420	1 930	7 467	25	911
Cattle and calves sold	farms	748	26	341	386	235	381	29	80
	number	26 736	1 058	8 485	8 719	5 592	16 291	170	1 359
Hogs and pigs inventory	farms	139	9	135	114	147	142	26	14
	number	17 321	590	14 626	17 979	56 167	24 052	614	544
Hogs and pigs sold	farms	125	8	139	118	152	144	18	13
	number	22 276	1 706	26 158	32 015	84 358	43 414	594	2 524
Sheep and lambs inventory	farms	29	-	54	15	26	182	12	2
	number	612	-	2 055	1 176	1 468	16 150	160	(D)
Chickens 3 months old or older inventory	farms	71	1	73	64	79	113	43	16
	number	24 264	(D)	32 128	460 071	(D)	30 919	4 551	413
Broilers and other meat-type chickens sold	farms	17	-	14	17	8	10	2	3
	number	2 283	-	977	1 223	380	(D)	(D)	565
Selected crops harvested:									
Corn for grain or seed	farms	988	4	601	806	430	672	78	46
	acres	85 554	100	41 765	75 513	35 282	53 431	4 127	1 733
	bushels	8 899 671	12 300	3 607 542	7 492 717	3 615 044	4 358 691	391 641	97 135
Wheat for grain	farms	314	2	339	377	110	398	21	18
	acres	13 372	(D)	10 916	16 309	4 209	13 052	422	347
	bushels	650 520	(D)	514 717	907 721	189 387	575 650	13 761	12 708
Soybeans for beans	farms	458	-	682	345	130	294	98	-
	acres	38 961	-	68 441	22 526	9 684	18 349	6 610	-
	bushels	1 375 576	-	2 264 901	874 300	346 548	571 362	185 468	-
Dry edible beans, excluding dry limas	farms	314	-	86	467	1	1	-	-
	acres	25 618	-	3 256	57 647	(D)	(D)	-	-
	cwt.	346 994	-	20 273	772 631	(D)	(D)	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	966	37	504	534	390	704	53	128
	acres	77 622	4 584	24 254	22 714	13 784	30 126	1 119	7 962
	tons, dry	198 194	9 858	57 917	55 434	36 114	77 767	2 379	9 710
Vegetables harvested for sale (see text)	farms	27	7	21	40	201	47	55	10
	acres	601	17	156	1 994	14 853	1 673	1 519	720
Land in orchards	farms	26	1	13	19	373	50	29	8
	acres	329	(D)	127	372	18 663	626	166	82

[1] Data are based on a sample of farms.

Table 2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Item	Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD							
Total sales (see text) farms, 1987	51 172	229	63	1 634	424	248	332
1982	58 661	295	76	1 631	442	279	377
$1,000, 1987	2 545 078	3 860	1 633	120 484	9 935	11 491	16 412
1982	2 588 317	4 838	1 876	123 047	9 269	11 422	15 996
Average per farm dollars, 1987	49 736	16 856	25 918	73 735	23 431	46 335	49 435
1982	44 123	16 402	24 689	67 202	20 971	40 940	42 429
1987 value of sales:							
Less than $1,000 farms	6 578	43	17	175	54	26	38
$1,000	2 037	17	9	54	13	4	12
$1,000 to $2,499 farms	6 092	36	5	201	67	33	30
$1,000	10 125	61	6	329	113	50	46
$2,500 to $4,999 farms	6 774	39	8	194	90	32	32
$1,000	24 414	145	30	671	320	113	124
$5,000 to $9,999 farms	7 548	45	8	244	82	37	46
$1,000	53 904	307	62	1 715	568	271	315
$10,000 to $19,999 farms	6 617	26	8	175	47	31	34
$1,000	93 997	358	(D)	2 510	676	424	471
$20,000 to $24,999 farms	1 843	4	3	63	6	8	15
$1,000	41 088	85	(D)	1 406	133	183	334
$25,000 to $39,999 farms	3 525	11	2	108	17	17	29
$1,000	111 711	340	(D)	3 376	526	538	938
$40,000 to $49,999 farms	1 477	6	1	36	10	8	18
$1,000	65 648	(D)	(D)	1 613	441	345	793
$50,000 to $99,999 farms	4 322	12	4	156	24	23	38
$1,000	310 133	(D)	(D)	11 383	1 743	1 665	2 807
$100,000 to $249,999 farms	4 339	5	7	171	24	22	40
$1,000	669 705	(D)	965	26 843	3 875	3 565	5 869
$250,000 to $499,999 farms	1 469	2	-	73	1	9	10
$1,000	496 045	(D)	-	25 313	(D)	(D)	(D)
$500,000 or more farms	588	-	-	38	2	2	2
$1,000	666 271	-	-	45 273	(D)	(D)	(D)
1982 value of sales[1]							
Less than $1,000 farms	6 565	60	17	167	75	52	36
$1,000	2 116	24	(D)	(D)	27	15	11
$1,000 to $2,499 farms	7 153	43	8	214	59	24	32
$1,000	11 962	67	(D)	(D)	99	41	53
$2,500 to $4,999 farms	7 751	54	11	233	82	39	43
$1,000	28 107	191	42	867	298	139	142
$5,000 to $9,999 farms	8 741	64	8	254	63	28	54
$1,000	62 566	463	60	1 810	595	194	388
$10,000 to $19,999 farms	8 043	29	6	225	55	43	57
$1,000	114 318	377	132	3 188	783	576	831
$20,000 to $24,999 farms	2 292	6	2	56	10	13	15
$1,000	51 257	(D)	(D)	1 249	218	289	356
$25,000 to $39,999 farms	4 244	9	7	117	24	21	39
$1,000	134 346	(D)	(D)	3 762	765	673	1 271
$40,000 to $49,999 farms	1 899	4	1	57	8	5	15
$1,000	84 662	189	(D)	2 523	358	226	667
$50,000 to $99,999 farms	5 334	19	9	200	20	21	38
$1,000	382 077	1 373	(D)	14 128	1 421	1 613	2 756
$100,000 to $249,999 farms	4 706	4	3	201	24	22	38
$1,000	720 338	586	461	30 900	(D)	3 143	5 591
$250,000 to $499,999 farms	1 434	3	-	76	1	8	9
$1,000	485 301	1 133	-	26 508	(D)	2 688	(D)
$500,000 or more farms	480	-	-	30	1	3	1
$1,000	508 151	-	-	37 698	(D)	1 826	(D)
Sales by commodity or commodity group:							
Crops, including nursery and greenhouse crops farms, 1987	36 875	105	33	1 096	249	151	242
1982	44 046	133	29	1 334	278	172	280
$1,000, 1987	1 272 802	625	139	44 327	3 125	5 573	9 993
1982	1 364 665	891	158	48 518	2 236	5 344	9 507
Grains farms, 1987	25 844	40	5	666	146	60	192
1982	34 004	61	7	966	205	58	244
$1,000, 1987	578 016	347	13	9 210	1 446	611	4 169
1982	795 210	422	8	17 690	1 371	690	6 084
Corn for grain farms, 1987	19 198	24	2	552	56	49	129
1982	23 671	11	-	815	49	35	146
$1,000, 1987	284 853	228	(D)	7 336	301	399	1 504
1982	438 711	166	-	15 157	236	459	2 190
Wheat farms, 1987	10 011	13	-	252	46	15	99
1982	14 983	43	-	384	131	25	108
$1,000, 1987	42 448	54	-	617	71	79	490
1982	64 971	187	-	1 291	447	113	674
Soybeans farms, 1987	12 670	3	-	92	9	-	94
1982	14 791	2	-	117	6	-	126
$1,000, 1987	172 993	(D)	-	1 033	66	-	655
1982	174 328	(D)	-	974	59	-	870
Sorghum for grain farms, 1987	16	-	-	-	-	-	-
1982	18	-	-	-	-	-	-
$1,000, 1987	40	-	-	-	-	-	-
1982	64	-	-	-	-	-	-
Barley farms, 1987	658	4	2	8	5	1	1
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 1987	2 527	(D)	(D)	3	26	(D)	(D)
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oats farms, 1987	6 373	16	1	139	90	10	74
1982	8 994	35	6	180	115	14	85
$1,000, 1987	12 767	44	(D)	160	232	(D)	(D)
1982	20 227	64	4	218	407	28	193
Other grains[2] farms, 1987	4 687	6	-	30	35	9	96
1982	6 723	5	4	39	25	9	139
$1,000, 1987	62 389	14	-	60	750	109	1 330
1982	96 908	(D)	4	50	222	91	2 156

See footnotes at end of table.

Table 2. **Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD							
Total sales (see text) farms, 1987	57	908	922	149	1 479	1 034	1 166
1982	74	1 061	1 072	184	1 777	1 170	1 281
$1,000, 1987	785	30 445	43 769	3 833	63 420	49 257	42 304
1982	930	38 185	43 616	3 951	66 324	50 461	54 819
Average per farm dollars, 1987	13 771	33 529	47 472	25 728	42 881	47 638	36 282
1982	12 567	35 989	40 686	21 475	37 323	43 129	42 794
1987 value of sales:							
Less than $1,000 farms	15	138	59	33	159	68	149
$1,000	5	51	22	10	50	28	48
$1,000 to $2,499 farms	4	141	64	17	192	115	168
$1,000	7	237	107	28	320	191	292
$2,500 to $4,999 farms	11	160	85	24	192	156	155
$1,000	40	589	320	86	693	561	553
$5,000 to $9,999 farms	7	139	149	22	244	177	216
$1,000	48	971	1 057	149	1 711	1 254	1 544
$10,000 to $19,999 farms	7	85	171	13	214	156	140
$1,000	(D)	1 201	2 450	182	3 067	2 145	1 937
$20,000 to $24,999 farms	2	31	54	5	52	58	46
$1,000	(D)	697	1 204	116	1 148	1 281	1 041
$25,000 to $39,999 farms	6	51	97	8	89	72	69
$1,000	(D)	1 639	2 999	246	2 813	2 307	2 234
$40,000 to $49,999 farms	3	15	24	3	45	36	30
$1,000	(D)	666	1 059	134	1 976	1 623	1 334
$50,000 to $99,999 farms	1	61	96	15	123	96	89
$1,000	(D)	4 515	6 999	1 006	8 811	6 592	6 082
$100,000 to $249,999 farms	1	63	83	6	117	67	73
$1,000	(D)	9 199	12 623	921	17 661	10 238	10 500
$250,000 to $499,999 farms	-	21	37	3	37	22	22
$1,000	-	7 890	12 458	956	12 919	7 727	7 002
$500,000 or more farms	-	3	3	-	15	11	9
$1,000	-	2 790	2 472	-	12 253	15 311	9 736
1982 value of sales[1]:							
Less than $1,000 farms	20	132	65	44	185	75	118
$1,000	6	(D)	25	12	(D)	34	38
$1,000 to $2,499 farms	12	152	78	25	250	129	160
$1,000	20	(D)	131	42	(D)	216	258
$2,500 to $4,999 farms	14	145	110	32	279	147	166
$1,000	49	546	403	121	1 017	537	604
$5,000 to $9,999 farms	12	176	166	25	304	181	198
$1,000	90	1 234	1 232	170	2 142	1 308	1 430
$10,000 to $19,999 farms	4	136	214	14	229	207	213
$1,000	44	1 830	3 075	201	3 181	2 952	3 036
$20,000 to $24,999 farms	-	38	60	4	65	61	49
$1,000	-	866	1 336	89	1 451	1 360	1 074
$25,000 to $39,999 farms	5	65	103	11	97	98	95
$1,000	(D)	2 061	3 290	329	3 053	3 045	2 922
$40,000 to $49,999 farms	2	39	45	8	46	35	44
$1,000	(D)	1 725	1 975	352	2 046	1 539	1 983
$50,000 to $99,999 farms	2	76	99	10	151	117	112
$1,000	(D)	5 411	7 004	815	10 698	8 179	8 148
$100,000 to $249,999 farms	3	69	105	10	118	81	90
$1,000	320	10 643	15 805	(D)	18 454	11 791	13 378
$250,000 to $499,999 farms	-	27	24	1	38	30	25
$1,000	-	9 233	7 646	(D)	13 166	9 972	8 464
$500,000 or more farms	-	5	3	-	13	9	11
$1,000	-	4 335	1 694	-	9 832	9 529	13 485
Sales by commodity or commodity group:							
Crops, including nursery and greenhouse crops farms, 1987	18	559	835	97	1 263	829	863
1982	29	732	971	128	1 559	962	1 023
$1,000, 1987	69	8 051	40 121	2 851	52 777	24 022	19 146
1982	125	13 659	39 859	3 031	55 259	26 240	28 853
Grains farms, 1987	2	403	715	13	582	773	751
1982	4	604	888	20	855	948	917
$1,000, 1987	(D)	6 423	16 218	46	12 014	18 021	13 480
1982	(D)	10 967	22 517	(D)	14 100	23 825	22 728
Corn for grain farms, 1987	1	324	433	12	421	668	626
1982	-	494	552	9	627	809	761
$1,000, 1987	(D)	3 822	6 336	45	6 436	11 404	8 521
1982	-	7 640	10 102	60	8 676	15 791	15 813
Wheat farms, 1987	-	227	197	2	178	261	407
1982	1	329	303	1	276	377	503
$1,000, 1987	-	780	570	(D)	699	792	1 480
1982	(D)	1 414	1 086	(D)	829	1 403	2 629
Soybeans farms, 1987	-	129	375	-	379	550	356
1982	-	147	356	1	518	593	380
$1,000, 1987	-	1 577	3 982	-	4 746	5 277	3 169
1982	-	1 297	2 871	(D)	4 287	6 221	3 700
Sorghum for grain farms, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	2
$1,000, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	(D)
Barley farms, 1987	-	2	4	-	1	2	6
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 1987	(D)	(D)	13	-	(D)	(D)	3
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oats farms, 1987	1	63	91	1	31	66	129
1982	3	136	106	2	41	118	234
$1,000, 1987	(D)	(D)	109	(D)	(D)	(D)	195
1982	(D)	238	128	(D)	46	157	507
Other grains[2] farms, 1987	-	30	450	1	28	28	21
1982	-	49	636	9	33	20	24
$1,000, 1987	-	143	5 208	(D)	85	454	113
1982	-	378	8 329	5	263	254	(D)

See footnotes at end of table.

Table 2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD							
Total sales (see text) farms, 1987	839	232	171	338	298	1 333	20
1982	1 022	256	197	378	317	1 518	18
$1,000, 1987	59 320	4 220	4 568	6 725	8 683	62 190	(D)
1982	55 376	4 480	4 163	7 222	10 234	64 956	58
Average per farm dollars, 1987	70 703	18 189	26 714	19 897	29 138	46 654	(D)
1982	54 134	17 500	21 133	19 107	32 283	42 790	3 250
1987 value of sales:							
Less than $1,000 farms	86	51	44	55	56	134	9
$1,000	31	17	13	20	15	47	(D)
$1,000 to $2,499 farms	86	43	20	40	53	126	3
$1,000	149	72	33	65	90	214	(D)
$2,500 to $4,999 farms	112	45	30	60	45	172	3
$1,000	403	160	112	225	159	625	(D)
$5,000 to $9,999 farms	119	32	25	58	30	205	1
$1,000	861	226	139	405	223	1 462	(D)
$10,000 to $19,999 farms	93	22	19	45	39	238	4
$1,000	1 312	(D)	288	671	575	3 365	51
$20,000 to $24,999 farms	40	3	5	8	6	57	-
$1,000	879	(D)	107	178	125	1 287	-
$25,000 to $39,999 farms	56	13	5	25	10	84	-
$1,000	1 713	(D)	163	807	341	2 640	-
$40,000 to $49,999 farms	28	2	3	14	12	45	-
$1,000	1 246	(D)	121	(D)	539	1 993	-
$50,000 to $99,999 farms	69	11	7	20	25	106	-
$1,000	4 867	(D)	474	(D)	1 847	7 414	-
$100,000 to $249,999 farms	89	8	9	12	18	117	-
$1,000	13 620	(D)	1 477	(D)	2 895	18 870	-
$250,000 to $499,999 farms	43	2	3	-	2	35	-
$1,000	15 385	(D)	(D)	-	(D)	11 236	-
$500,000 or more farms	18	-	1	1	2	14	-
$1,000	18 855	-	(D)	(D)	(D)	13 039	-
1982 value of sales[1]:							
Less than $1,000 farms	93	67	39	63	54	107	5
$1,000	39	23	11	18	17	(D)	(D)
$1,000 to $2,499 farms	128	49	41	70	43	155	4
$1,000	218	78	69	118	69	(D)	(D)
$2,500 to $4,999 farms	135	37	29	50	50	185	6
$1,000	485	137	103	179	186	687	20
$5,000 to $9,999 farms	138	37	35	66	48	265	1
$1,000	1 018	260	243	477	335	1 926	(D)
$10,000 to $19,999 farms	152	23	22	45	38	250	2
$1,000	2 229	335	310	621	552	3 594	(D)
$20,000 to $24,999 farms	37	2	4	13	8	55	-
$1,000	851	(D)	(D)	291	175	1 228	-
$25,000 to $39,999 farms	61	13	5	21	21	155	-
$1,000	1 842	(D)	(D)	697	654	4 894	-
$40,000 to $49,999 farms	37	5	4	8	7	54	-
$1,000	1 636	(D)	(D)	353	(D)	2 453	-
$50,000 to $99,999 farms	94	9	7	30	16	128	-
$1,000	6 694	(D)	(D)	2 086	(D)	9 374	-
$100,000 to $249,999 farms	100	12	6	11	24	117	-
$1,000	15 319	(D)	904	(D)	3 799	18 158	-
$250,000 to $499,999 farms	30	2	5	-	7	35	-
$1,000	10 280	(D)	1 607	-	(D)	12 097	-
$500,000 or more farms	17	-	-	1	1	11	-
$1,000	14 764	-	-	(D)	(D)	10 238	-
Sales by commodity or commodity group:							
Crops, including nursery and greenhouse crops farms, 1987	601	108	78	200	146	1 078	9
1982	775	119	90	[illegible]	174	1 293	12
$1,000, 1987	19 060	1 018	687	1 418	694	21 875	(D)
1982	20 792	866	706	1 644	1 565	28 314	36
Grains farms, 1987	485	37	28	70	68	943	-
1982	655	51	49	104	117	1 191	1
$1,000, 1987	12 055	281	135	121	267	17 568	-
1982	15 121	257	218	303	1 031	24 172	(D)
Corn for grain farms, 1987	398	26	5	4	33	629	-
1982	507	23	8	5	55	723	-
$1,000, 1987	7 488	250	(D)	14	149	6 191	-
1982	10 040	139	32	86	563	10 539	-
Wheat farms, 1987	154	3	10	6	30	484	-
1982	229	16	35	33	79	676	-
$1,000, 1987	675	(D)	28	9	74	1 674	-
1982	804	34	93	51	312	2 587	-
Soybeans farms, 1987	285	-	-	-	6	752	-
1982	375	-	-	2	12	877	-
$1,000, 1987	3 740	-	-	-	7	8 613	-
1982	4 113	-	-	(D)	34	8 867	-
Sorghum for grain farms, 1987	2	-	-	-	-	-	-
1982	2	-	1	-	-	1	-
$1,000, 1987	(D)	-	-	-	-	-	-
1982	(D)	-	(D)	-	-	(D)	-
Barley farms, 1987	1	9	11	5	4	19	-
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 1987	(D)	6	37	10	1	34	-
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oats farms, 1987	42	12	6	60	25	226	-
1982	56	14	13	73	56	334	-
$1,000, 1987	72	12	7	87	34	294	-
1982	93	9	(D)	130	99	(D)	-
Other grains[2] farms, 1987	13	3	6	-	5	134	-
1982	19	13	12	12	14	135	1
$1,000, 1987	61	(D)	(D)	-	1	762	-
1982	(D)	75	76	(D)	24	1 618	(D)

See footnotes at end of table.

Table 2. **Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD							
Total sales (see text) farms, 1987	271	109	1 219	211	851	411	58
1982	315	123	1 372	253	990	433	62
$1,000, 1987	8 330	4 426	38 658	4 655	29 481	6 929	936
1982	7 736	4 070	44 010	4 143	34 741	7 711	1 024
Average per farm dollars, 1987	30 739	40 606	31 713	22 061	34 643	16 859	16 136
1982	24 559	33 087	32 077	16 375	35 092	17 807	12 490
1987 value of sales							
Less than $1,000 farms	38	28	152	45	138	67	27
$1,000	9	9	43	12	48	17	9
$1,000 to $2,499 farms	37	12	154	33	138	65	11
$1,000	63	18	256	58	231	111	18
$2,500 to $4,999 farms	42	16	191	37	149	61	6
$1,000	148	(D)	688	128	549	224	17
$5,000 to $9,999 farms	39	3	191	34	131	79	5
$1,000	257	(D)	1 408	244	943	564	35
$10,000 to $19,999 farms	28	14	155	16	100	55	2
$1,000	401	(D)	2 128	229	1 429	806	(D)
$20,000 to $24,999 farms	15	1	44	3	35	15	-
$1,000	330	(D)	988	61	789	328	-
$25,000 to $39,999 farms	16	4	99	8	47	31	3
$1,000	482	(D)	3 173	259	1 413	1 017	(D)
$40,000 to $49,999 farms	8	4	32	5	13	7	1
$1,000	354	(D)	1 438	(D)	568	(D)	(D)
$50,000 to $99,999 farms	25	12	105	16	40	19	1
$1,000	1 729	(D)	7 445	(D)	2 845	(D)	(D)
$100,000 to $249,999 farms	16	12	75	12	36	10	-
$1,000	2 388	1 616	11 498	(D)	5 578	(D)	-
$250,000 to $499,999 farms	7	3	14	2	14	2	2
$1,000	2 171	1 130	4 627	(D)	4 812	(D)	(D)
$500,000 or more farms	-	-	7	-	10	-	-
$1,000	-	-	4 965	-	10 275	-	-
1982 value of sales[1]							
Less than $1,000 farms	58	31	147	67	117	49	25
$1,000	16	10	51	18	37	21	7
$1,000 to $2,499 farms	56	15	175	45	164	76	23
$1,000	92	26	293	71	272	128	38
$2,500 to $4,999 farms	38	15	192	38	168	74	12
$1,000	142	53	690	131	602	264	40
$5,000 to $9,999 farms	32	8	195	41	147	78	7
$1,000	215	52	1 353	284	1 041	557	44
$10,000 to $19,999 farms	35	11	220	20	136	70	5
$1,000	490	156	3 186	255	1 921	954	61
$20,000 to $24,999 farms	17	3	59	5	38	13	2
$1,000	381	73	1 323	11	844	287	(D)
$25,000 to $39,999 farms	22	7	99	9	72	26	4
$1,000	707	223	3 063	275	2 281	833	(D)
$40,000 to $49,999 farms	8	9	57	2	25	14	2
$1,000	359	408	2 530	(D)	1 120	620	(D)
$50,000 to $99,999 farms	28	12	121	14	59	15	-
$1,000	1 876	899	8 862	(D)	4 162	1 035	-
$100,000 to $249,999 farms	19	9	84	11	36	15	1
$1,000	(D)	1 327	12 699	(D)	5 563	1 998	(D)
$250,000 to $499,999 farms	2	3	17	1	16	3	1
$1,000	(D)	844	5 587	(D)	5 561	1 013	(D)
$500,000 or more farms	-	-	6	-	12	-	-
$1,000	-	-	4 373	-	11 336	-	-
Sales by commodity or commodity group:							
Crops, including nursery and greenhouse crops farms, 1987	131	55	907	110	624	207	24
1982	150	56	1 077	101	789	273	18
$1,000, 1987	1 802	1 881	22 508	1 475	15 512	1 811	111
1982	1 857	1 731	28 036	1 063	18 716	2 869	47
Grains farms, 1987	54	14	739	35	453	137	3
1982	67	17	960	28	606	225	3
$1,000, 1987	424	(D)	16 431	218	9 260	1 109	1
1982	559	95	23 660	166	13 300	2 303	1
Corn for grain farms, 1987	6	2	606	23	297	93	-
1982	9	4	741	13	367	130	-
$1,000, 1987	56	(D)	7 489	168	4 331	532	-
1982	(D)	28	12 798	112	7 377	1 017	-
Wheat farms, 1987	-	-	438	8	141	61	-
1982	9	-	621	6	149	114	-
$1,000, 1987	-	-	2 274	12	593	138	-
1982	37	-	3 467	(D)	486	401	-
Soybeans farms, 1987	2	-	394	-	312	33	-
1982	2	-	432	-	387	40	-
$1,000, 1987	(D)	-	4 731	-	3 751	209	-
1982	(D)	-	4 159	-	4 619	203	-
Sorghum for grain farms, 1987	-	-	1	-	-	-	-
1982	-	-	-	-	-	-	-
$1,000, 1987	-	-	(D)	-	-	-	-
1982	-	-	-	-	-	-	-
Barley farms, 1987	25	4	9	3	6	5	1
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 1987	125	9	(D)	(D)	7	(D)	(D)
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oats farms, 1987	25	9	104	10	170	47	3
1982	39	12	213	11	237	76	3
$1,000, 1987	(D)	35	153	21	362	(D)	(D)
1982	62	45	287	21	590	137	1
Other grains[2] farms, 1987	11	-	163	3	33	16	-
1982	30	4	244	7	33	46	-
$1,000, 1987	183	-	1 771	(D)	217	117	-
1982	364	22	2 949	(D)	228	539	-

See footnotes at end of table.

Table 2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD									
Total sales (see text)	farms, 1987	447	1 011	1 142	147	1 390	960	1 089	215
	1982	462	1 215	1 354	195	1 655	1 105	1 187	244
	$1,000, 1987	12 967	66 273	53 208	2 252	145 602	46 181	69 853	6 596
	1982	13 234	69 887	59 715	2 542	140 542	56 408	63 095	7 329
Average per farm	dollars, 1987	29 009	65 552	46 592	15 319	104 750	48 105	64 144	30 680
	1982	28 646	57 520	44 103	13 038	84 920	51 048	53 155	30 036
1987 value of sales:									
Less than $1,000	farms	84	70	111	40	48	143	120	44
	$1,000	18	23	39	14	18	45	43	15
$1,000 to $2,499	farms	43	80	136	19	77	109	124	41
	$1,000	70	133	219	34	125	184	199	73
$2,500 to $4,999	farms	46	111	168	27	86	158	126	27
	$1,000	168	416	598	102	328	568	470	96
$5,000 to $9,999	farms	56	130	182	23	118	147	173	28
	$1,000	402	922	1 308	146	863	1 043	1 279	198
$10,000 to $19,999	farms	71	139	167	11	182	108	142	29
	$1,000	1 019	1 959	2 371	(D)	2 648	1 528	1 973	427
$20,000 to $24,999	farms	16	47	38	5	73	39	34	8
	$1,000	355	1 058	856	(D)	1 620	861	764	180
$25,000 to $39,999	farms	39	98	67	8	161	45	61	13
	$1,000	1 193	3 163	2 069	(D)	5 125	1 393	1 952	406
$40,000 to $49,999	farms	17	42	35	1	73	19	31	7
	$1,000	777	1 880	1 542	(D)	3 256	870	1 367	305
$50,000 to $99,999	farms	48	114	113	6	203	64	96	7
	$1,000	3 367	8 148	7 940	(D)	14 246	4 489	6 965	568
$100,000 to $249,999	farms	19	113	84	7	251	84	129	6
	$1,000	2 867	17 308	13 396	1 000	37 274	13 539	20 786	970
$250,000 to $499,999	farms	7	50	30	-	76	31	40	4
	$1,000	(D)	16 387	10 592	-	25 381	10 303	13 706	(D)
$500,000 or more	farms	1	17	11	-	42	13	13	1
	$1,000	(D)	14 876	12 277	-	54 719	11 359	20 348	(D)
1982 value of sales[1]									
Less than $1,000	farms	62	50	97	59	40	152	84	43
	$1,000	13	19	45	20	14	(D)	(D)	12
$1,000 to $2,499	farms	58	77	154	42	68	150	113	40
	$1,000	91	138	263	66	117	(D)	(D)	75
$2,500 to $4,999	farms	63	143	191	26	103	153	146	43
	$1,000	218	505	683	92	372	554	524	150
$5,000 to $9,999	farms	61	157	222	24	178	145	195	42
	$1,000	437	1 155	1 563	172	1 305	1 038	1 372	304
$10,000 to $19,999	farms	60	175	194	10	234	139	174	21
	$1,000	815	2 510	2 796	144	3 388	1 985	2 411	286
$20,000 to $24,999	farms	17	52	64	7	96	43	43	10
	$1,000	373	1 145	1 459	(D)	2 172	947	967	221
$25,000 to $39,999	farms	41	131	106	8	195	71	92	14
	$1,000	1 266	4 073	3 317	(D)	6 205	2 203	2 947	409
$40,000 to $49,999	farms	18	59	53	7	87	21	47	3
	$1,000	790	2 678	2 373	308	3 854	926	2 092	142
$50,000 to $99,999	farms	49	169	125	6	311	62	123	17
	$1,000	3 308	12 403	8 985	(D)	22 232	4 412	8 651	1 155
$100,000 to $249,999	farms	28	152	103	6	237	108	125	7
	$1,000	4 266	23 372	16 186	885	35 474	15 753	20 093	1 014
$250,000 to $499,999	farms	5	40	30	-	70	47	32	3
	$1,000	1 659	14 069	10 306	-	24 710	15 250	10 829	(D)
$500,000 or more	farms	-	10	15	-	36	13	12	1
	$1,000	-	7 819	11 738	-	40 701	11 145	12 959	(D)
Sales by commodity or commodity group:									
Crops, including nursery and greenhouse crops	farms, 1987	318	848	900	90	1 160	688	840	114
	1982	340	1 054	1 110	93	1 449	738	947	141
	$1,000, 1987	9 154	37 300	20 861	693	53 765	20 137	20 569	754
	1982	8 798	43 673	26 659	707	59 742	29 649	25 958	1 831
Grains	farms, 1987	70	775	810	28	1 105	500	708	58
	1982	91	1 008	1 045	20	1 396	654	845	88
	$1,000, 1987	589	25 644	16 521	91	36 391	12 993	14 537	307
	1982	753	37 281	23 591	30	46 128	22 484	20 537	1 394
Corn for grain	farms, 1987	58	569	646	5	848	412	561	44
	1982	58	667	837	1	973	521	835	47
	$1,000, 1987	409	9 901	10 250	52	14 362	7 305	7 340	208
	1982	542	14 426	16 199	(D)	19 970	14 841	11 842	994
Wheat	farms, 1987	35	254	315	-	581	279	414	11
	1982	43	436	490	-	638	315	530	42
	$1,000, 1987	121	1 064	911	-	3 767	1 837	1 747	37
	1982	122	2 133	1 582	-	3 462	2 167	2 697	153
Soybeans	farms, 1987	-	574	570	-	121	262	336	3
	1982	1	745	586	-	89	305	336	7
	$1,000, 1987	-	9 395	5 092	-	793	3 473	4 041	22
	1982	(D)	11 018	5 384	-	718	4 502	3 539	60
Sorghum for grain	farms, 1987	-	-	-	-	-	-	1	-
	1982	-	-	3	-	-	-	-	-
	$1,000, 1987	-	-	-	-	-	-	(D)	-
	1982	-	-	8	-	-	-	-	-
Barley	farms, 1987	-	10	2	6	149	6	16	3
	1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 1987	-	18	(D)	5	826	7	(D)	7
	1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oats	farms, 1987	23	156	97	21	460	73	197	16
	1982	27	254	191	19	576	137	248	34
	$1,000, 1987	47	298	(D)	34	1 330	109	260	27
	1982	(D)	555	322	17	1 753	386	481	78
Other grains[2]	farms, 1987	10	365	13	-	832	25	79	4
	1982	21	537	19	4	1 081	33	133	13
	$1,000, 1987	12	4 969	136	-	15 311	262	1 089	6
	1982	60	9 149	96	(D)	20 225	587	1 977	109

See footnotes at end of table.

Table 2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales (see text) .... farms, 1987	95	912	1 103	842	89	1 368	2	111
1982	98	1 016	1 242	961	91	1 524	4	123
$1,000, 1987	1 633	39 467	45 984	64 511	2 306	82 963	-	1 283
1982	1 877	41 234	45 911	53 123	2 668	78 157	2	1 582
Average per farm .... dollars, 1987	17 186	43 276	41 690	76 616	25 909	60 660	-	11 560
1982	19 154	40 585	36 965	55 279	29 314	51 284	483	12 865
1987 value of sales:								
Less than $1,000 .... farms	27	109	177	119	23	220	2	32
$1,000	7	37	64	37	5	66	-	15
$1,000 to $2,499 .... farms	20	95	155	113	12	177	-	12
$1,000	35	155	246	186	19	296	-	20
$2,500 to $4,999 .... farms	13	103	201	104	19	163	-	25
$1,000	48	359	739	373	69	578	-	92
$5,000 to $9,999 .... farms	10	151	167	114	12	196	-	17
$1,000	76	1 099	1 199	800	78	1 398	-	120
$10,000 to $19,999 .... farms	2	138	142	109	4	146	-	10
$1,000	(D)	1 947	2 013	1 570	(D)	2 051	-	125
$20,000 to $24,999 .... farms	6	30	23	19	3	42	-	3
$1,000	(D)	662	506	428	(D)	931	-	62
$25,000 to $39,999 .... farms	7	69	59	48	4	81	-	5
$1,000	(D)	2 236	1 872	1 584	(D)	2 529	-	176
$40,000 to $49,999 .... farms	2	39	20	11	-	24	-	-
$1,000	(D)	1 743	879	485	-	1 072	-	-
$50,000 to $99,999 .... farms	3	67	59	58	7	108	-	4
$1,000	(D)	5 080	4 231	4 074	(D)	8 026	-	262
$100,000 to $249,999 .... farms	4	76	62	84	3	122	-	3
$1,000	(D)	11 634	10 076	13 920	(D)	19 871	-	412
$250,000 to $499,999 .... farms	1	28	21	43	2	58	-	-
$1,000	(D)	9 044	7 110	15 087	(D)	19 690	-	-
$500,000 or more .... farms	-	7	17	20	-	31	-	-
$1,000	-	5 470	17 048	25 987	-	26 475	-	-
1982 value of sales[1]:								
Less than $1,000 .... farms	17	84	159	106	24	198	4	29
$1,000	3	29	(D)	(D)	6	(D)	2	8
$1,000 to $2,499 .... farms	17	124	178	136	17	195	-	21
$1,000	26	210	(D)	(D)	22	(D)	-	34
$2,500 to $4,999 .... farms	16	135	198	133	9	195	-	19
$1,000	58	488	717	469	35	728	-	67
$5,000 to $9,999 .... farms	15	168	207	137	10	219	-	24
$1,000	90	1 224	1 461	961	76	1 554	-	184
$10,000 to $19,999 .... farms	11	151	180	118	9	185	-	13
$1,000	138	2 191	2 505	1 699	119	2 639	-	169
$20,000 to $24,999 .... farms	8	48	57	34	7	53	-	3
$1,000	175	1 066	1 274	767	(D)	1 175	-	(D)
$25,000 to $39,999 .... farms	4	73	65	50	1	85	-	6
$1,000	137	2 349	2 055	1 578	(D)	2 680	-	(D)
$40,000 to $49,999 .... farms	1	27	32	34	-	46	-	-
$1,000	(D)	1 210	1 431	1 536	-	2 067	-	-
$50,000 to $99,999 .... farms	5	85	62	64	5	137	-	5
$1,000	(D)	5 952	4 294	4 642	(D)	9 810	-	(D)
$100,000 to $249,999 .... farms	2	93	63	89	7	128	-	3
$1,000	(D)	14 010	9 563	13 995	(D)	20 130	-	469
$250,000 to $499,999 .... farms	2	22	31	46	1	62	-	-
$1,000	(D)	7 408	10 251	15 184	(D)	20 723	-	-
$500,000 or more .... farms	-	6	9	13	1	20	-	-
$1,000	-	5 095	11 208	11 916	(D)	16 227	-	-
Sales by commodity or commodity group:								
Crops, including nursery and greenhouse crops .... farms, 1987	33	652	781	637	51	942	-	56
1982	44	775	964	752	54	1 098	-	58
$1,000, 1987	596	10 066	13 333	35 969	1 183	50 383	-	147
1982	1 075	12 902	20 057	30 939	1 406	45 684	-	398
Grains .... farms, 1987	11	508	605	414	21	507	-	10
1982	12	664	807	548	33	705	-	36
$1,000, 1987	(D)	7 198	7 921	12 361	208	6 674	-	28
1982	44	10 880	16 314	16 133	253	11 446	-	233
Corn for grain .... farms, 1987	-	344	522	350	16	429	-	5
1982	-	402	708	428	19	579	-	20
$1,000, 1987	-	2 836	6 051	7 228	113	4 977	-	(D)
1982	-	5 064	13 657	10 082	95	8 896	-	144
Wheat .... farms, 1987	1	253	284	195	12	197	-	2
1982	1	371	354	281	21	319	-	23
$1,000, 1987	(D)	845	907	1 097	65	569	-	(D)
1982	(D)	1 429	1 392	1 991	113	1 149	-	35
Soybeans .... farms, 1987	-	186	109	256	1	38	-	-
1982	-	239	136	261	1	45	-	1
$1,000, 1987	-	1 788	758	3 611	(D)	387	-	-
1982	-	1 631	851	3 784	(D)	396	-	(D)
Sorghum for grain .... farms, 1987	-	-	1	1	-	-	-	-
1982	-	-	1	3	1	-	-	-
$1,000, 1987	-	-	(D)	(D)	-	-	-	-
1982	-	-	(D)	6	(D)	-	-	-
Barley .... farms, 1987	2	26	5	3	-	5	-	-
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 1987	(D)	36	(D)	(D)	-	4	-	-
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oats .... farms, 1987	9	186	115	59	2	137	-	6
1982	10	191	204	92	8	174	-	14
$1,000, 1987	16	385	130	114	(D)	223	-	13
1982	26	330	406	175	(D)	351	-	12
Other grains[2] .... farms, 1987	-	155	13	17	5	27	-	-
1982	3	246	9	20	5	53	-	6
$1,000, 1987	-	1 307	70	104	5	492	-	-
1982	(D)	2 426	(D)	95	9	655	-	(D)

See footnotes at end of table.

Table 2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales (see text) farms, 1987	1 228	394	1 387	789	34	80	667	280
1982	1 361	429	1 619	884	30	96	819	304
$1,000, 1987	55 582	15 151	78 772	30 418	861	2 653	30 471	9 370
1982	52 790	16 040	88 835	32 951	679	2 870	34 026	8 960
Average per farm dollars, 1987	45 262	38 454	56 793	38 552	25 311	33 163	45 683	33 465
1982	38 788	37 389	54 870	37 275	22 648	29 900	41 546	29 475
1987 value of sales:								
Less than $1,000 farms	245	57	109	131	4	12	76	76
$1,000	81	10	31	37	1	5	22	20
$1,000 to $2,499 farms	183	43	122	108	6	9	79	35
$1,000	299	67	191	169	10	17	137	55
$2,500 to $4,999 farms	192	40	127	131	6	18	81	48
$1,000	692	138	467	460	19	66	297	172
$5,000 to $9,999 farms	157	51	210	138	3	8	105	34
$1,000	1 121	355	1 571	960	23	59	768	263
$10,000 to $19,999 farms	115	46	214	80	5	9	89	23
$1,000	1 708	646	3 025	1 119	69	126	1 259	345
$20,000 to $24,999 farms	22	18	72	21	-	-	23	7
$1,000	494	402	1 612	464	-	-	503	149
$25,000 to $39,999 farms	61	35	115	37	4	2	52	13
$1,000	1 945	1 178	3 602	1 176	124	(D)	1 639	397
$40,000 to $49,999 farms	38	26	61	13	-	3	21	6
$1,000	1 697	1 152	2 698	580	-	(D)	924	272
$50,000 to $99,999 farms	83	38	123	49	3	12	54	14
$1,000	5 976	2 610	8 840	3 490	240	(D)	3 674	888
$100,000 to $249,999 farms	90	32	169	58	3	6	64	17
$1,000	13 421	4 892	26 707	8 697	374	(D)	9 820	2 707
$250,000 to $499,999 farms	24	6	47	17	-	-	17	4
$1,000	7 540	(D)	16 971	5 219	-	-	5 557	1 339
$500,000 or more farms	18	2	18	6	-	1	6	3
$1,000	20 609	(D)	13 057	8 040	-	(D)	5 869	2 762
1982 value of sales[1]:								
Less than $1,000 farms	215	75	89	158	7	14	82	73
$1,000	63	20	30	49	(D)	7	22	21
$1,000 to $2,499 farms	200	36	167	141	2	20	105	55
$1,000	330	60	286	237	(D)	35	172	93
$2,500 to $4,999 farms	199	47	156	125	4	7	116	41
$1,000	724	170	574	460	16	25	415	154
$5,000 to $9,999 farms	203	47	251	141	5	14	125	42
$1,000	1 407	343	1 826	970	34	94	883	303
$10,000 to $19,999 farms	141	59	234	104	1	7	95	32
$1,000	1 940	835	3 340	1 466	(D)	85	1 310	413
$20,000 to $24,999 farms	57	19	81	22	2	3	33	7
$1,000	1 285	419	1 801	483	(D)	(D)	741	156
$25,000 to $39,999 farms	82	38	130	36	3	4	85	14
$1,000	2 629	1 150	4 002	1 116	(D)	(D)	2 682	426
$40,000 to $49,999 farms	35	21	79	12	2	5	25	6
$1,000	1 540	936	3 481	534	(D)	235	1 106	275
$50,000 to $99,999 farms	99	48	193	60	2	17	72	18
$1,000	7 418	3 267	14 001	4 230	(D)	1 256	5 085	1 324
$100,000 to $249,999 farms	98	30	158	58	2	4	62	9
$1,000	15 073	4 258	24 581	9 156	(D)	(D)	9 175	1 217
$250,000 to $499,999 farms	17	5	64	20	-	1	12	4
$1,000	6 084	1 576	22 266	6 449	-	(D)	3 677	1 526
$500,000 or more farms	15	4	17	7	-	-	7	3
$1,000	14 298	3 005	12 647	7 800	-	-	8 757	3 054
Sales by commodity or commodity group:								
Crops, including nursery and greenhouse crops farms, 1987	756	310	1 179	524	18	37	532	180
1982	930	334	1 409	586	16	40	666	195
$1,000, 1987	30 132	11 615	46 469	13 905	362	214	25 481	8 218
1982	25 775	11 729	57 292	13 320	192	127	24 652	7 960
Grains farms, 1987	481	44	1 091	322	3	11	306	43
1982	717	60	1 331	414	6	14	427	53
$1,000, 1987	11 028	266	37 780	5 772	(D)	22	6 039	335
1982	12 750	508	51 427	7 569	6	25	6 528	452
Corn for grain farms, 1987	397	34	841	292	-	-	203	28
1982	550	36	1 031	335	-	-	244	25
$1,000, 1987	7 705	215	15 624	4 264	-	-	2 544	105
1982	8 981	375	28 024	5 905	-	-	2 469	167
Wheat farms, 1987	157	7	489	152	1	5	65	9
1982	250	19	704	213	-	6	128	24
$1,000, 1987	567	15	2 526	605	(D)	(D)	232	25
1982	788	36	3 742	796	-	12	305	54
Soybeans farms, 1987	141	2	946	78	-	-	200	-
1982	181	2	1 071	71	-	-	301	-
$1,000, 1987	1 212	(D)	19 136	711	-	-	2 997	-
1982	1 073	(D)	19 078	526	-	-	3 409	-
Sorghum for grain farms, 1987	1	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
$1,000, 1987	(D)	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
Barley farms, 1987	7	-	1	-	1	2	5	3
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 1987	(D)	-	(D)	-	(D)	(D)	(D)	(D)
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oats farms, 1987	169	9	124	85	-	5	97	6
1982	222	23	228	111	6	6	111	11
$1,000, 1987	385	(D)	(D)	179	-	3	183	(D)
1982	478	25	468	282	(D)	8	272	9
Other grains[2] farms, 1987	47	10	37	11	1	-	16	14
1982	77	9	28	7	1	3	21	17
$1,000, 1987	1 146	14	308	14	(D)	-	(D)	202
1982	1 430	(D)	114	59	(D)	4	73	222

See footnotes at end of table.

Table 2. **Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales (see text) farms, 1987	101	426	639	374	459	304	1 258	980
1982	125	492	684	458	502	343	1 458	1 132
$1,000, 1987	1 783	15 715	19 039	17 869	15 328	22 751	58 894	48 704
1982	1 540	18 064	22 586	17 372	18 184	23 151	62 064	56 282
Average per farm dollars, 1987	17 651	36 889	29 794	47 779	33 394	74 840	46 816	49 698
1982	12 320	36 716	33 021	37 931	36 223	67 496	42 568	49 719
1987 value of sales:								
Less than $1,000 farms	38	59	119	61	66	35	113	119
$1,000	9	14	39	19	16	7	34	39
$1,000 to $2,499 farms	21	56	79	42	55	27	155	124
$1,000	31	94	131	69	91	49	272	224
$2,500 to $4,999 farms	11	44	89	43	65	31	177	125
$1,000	43	144	325	159	242	106	668	455
$5,000 to $9,999 farms	11	72	105	51	75	30	190	134
$1,000	77	506	740	352	531	220	1 356	943
$10,000 to $19,999 farms	5	54	68	34	82	28	197	128
$1,000	78	771	930	479	1 206	403	2 830	1 812
$20,000 to $24,999 farms	-	14	24	13	8	5	46	36
$1,000	-	316	529	290	175	115	1 025	814
$25,000 to $39,999 farms	5	28	40	20	35	18	115	56
$1,000	(D)	876	1 309	623	1 097	521	3 739	1 685
$40,000 to $49,999 farms	1	17	16	10	8	5	36	27
$1,000	(D)	747	710	440	355	231	1 601	1 205
$50,000 to $99,999 farms	3	40	39	49	32	34	106	89
$1,000	(D)	2 912	2 796	3 809	2 380	2 651	7 694	6 438
$100,000 to $249,999 farms	4	25	52	36	23	71	76	87
$1,000	(D)	3 691	7 879	5 513	3 584	11 202	11 419	13 438
$250,000 to $499,999 farms	2	17	6	13	6	17	31	30
$1,000	(D)	5 642	(D)	(D)	2 263	5 434	10 739	10 703
$500,000 or more farms	-	-	2	2	4	3	16	15
$1,000	-	-	(D)	(D)	3 388	1 812	17 517	10 948
1982 value of sales[1]:								
Less than $1,000 farms	55	72	113	54	81	20	110	125
$1,000	(D)	27	34	(D)	31	(D)	33	(D)
$1,000 to $2,499 farms	22	71	108	62	62	31	167	138
$1,000	(D)	112	184	(D)	105	(D)	279	(D)
$2,500 to $4,999 farms	16	67	105	60	77	35	199	159
$1,000	67	240	376	216	271	132	689	583
$5,000 to $9,999 farms	8	69	106	54	75	46	222	149
$1,000	57	487	749	380	540	320	1 593	1 063
$10,000 to $19,999 farms	9	52	89	57	77	32	244	161
$1,000	134	767	1 241	786	1 085	452	3 578	2 305
$20,000 to $24,999 farms	2	11	13	14	13	7	64	44
$1,000	(D)	243	291	316	291	152	1 428	966
$25,000 to $39,999 farms	2	36	35	30	32	17	124	56
$1,000	(D)	1 145	1 149	893	1 073	534	3 921	1 849
$40,000 to $49,999 farms	1	19	15	10	11	7	72	31
$1,000	(D)	835	669	471	498	329	3 214	1 399
$50,000 to $99,999 farms	3	46	50	65	34	56	128	121
$1,000	(D)	3 261	3 582	4 682	2 477	4 183	9 062	8 616
$100,000 to $249,999 farms	3	33	40	42	29	77	84	94
$1,000	428	5 310	6 026	6 395	4 379	11 686	12 979	14 401
$250,000 to $499,999 farms	1	14	9	8	7	12	30	39
$1,000	(D)	(D)	(D)	(D)	2 373	(D)	9 924	14 028
$500,000 or more farms	-	2	1	1	4	2	14	14
$1,000	-	(D)	(D)	(D)	5 063	(D)	15 364	10 785
Sales by commodity or commodity group:								
Crops, including nursery and greenhouse crops farms, 1987	39	315	342	170	312	149	1 103	720
1982	40	364	438	180	373	166	1 297	886
$1,000, 1987	878	8 403	4 674	1 134	9 850	1 569	45 777	28 348
1982	517	8 328	7 053	1 023	11 553	1 531	47 929	35 904
Grains farms, 1987	7	124	191	78	260	71	989	569
1982	9	214	298	98	337	91	1 183	753
$1,000, 1987	16	1 178	1 501	592	7 683	332	27 752	10 697
1982	25	2 333	3 053	538	9 905	486	32 380	17 778
Corn for grain farms, 1987	-	93	128	44	204	33	660	452
1982	1	124	198	45	224	42	807	540
$1,000, 1987	-	897	813	479	2 827	252	10 231	4 945
1982	(D)	1 518	1 891	325	4 377	295	15 480	9 533
Wheat farms, 1987	-	48	79	1	68	16	248	274
1982	-	152	156	7	101	42	373	426
$1,000, 1987	-	161	149	(D)	327	27	1 139	1 248
1982	-	631	474	(D)	529	112	1 322	2 451
Soybeans farms, 1987	-	6	5	1	185	-	891	106
1982	-	4	4	1	222	-	1 018	102
$1,000, 1987	-	(D)	12	(D)	2 713	-	16 065	1 008
1982	-	19	(D)	(D)	2 489	-	14 999	982
Sorghum for grain farms, 1987	-	-	-	-	-	-	1	-
1982	-	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	(D)	-
1982	-	-	-	-	-	-	-	-
Barley farms, 1987	2	2	5	21	-	1	1	25
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 1987	(D)	(D)	8	73	-	(D)	(D)	94
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oats farms, 1987	6	48	52	27	41	28	152	165
1982	7	55	72	46	73	37	240	194
$1,000, 1987	(D)	65	46	31	65	36	232	291
1982	11	116	(D)	85	111	(D)	(D)	373
Other grains[2] farms, 1987	-	11	44	5	105	5	14	199
1982	2	31	57	26	158	4	7	254
$1,000, 1987	-	30	474	(D)	1 751	(D)	(D)	3 111
1982	(D)	50	580	119	2 400	(D)	(D)	4 438

See footnotes at end of table.

Table 2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales (see text) farms, 1987	108	460	687	596	686	288	117	503
1982	106	481	784	688	735	308	145	549
$1,000, 1987	2 544	26 506	31 697	22 154	35 442	12 011	2 093	15 922
1982	2 748	26 978	33 369	18 523	29 930	9 538	1 852	17 951
Average per farm dollars, 1987	23 559	57 621	46 138	37 171	51 665	41 704	17 888	31 654
1982	25 925	56 087	42 562	26 923	40 721	30 967	12 772	32 697
1987 value of sales:								
Less than $1,000 farms	19	79	102	167	90	48	23	108
$1,000	10	20	35	41	30	12	8	33
$1,000 to $2,499 farms	20	62	83	100	83	31	13	70
$1,000	34	102	138	155	143	55	21	115
$2,500 to $4,999 farms	13	67	106	76	83	44	16	82
$1,000	45	230	377	273	287	150	58	286
$5,000 to $9,999 farms	19	56	87	83	95	36	26	69
$1,000	137	393	590	578	671	255	205	471
$10,000 to $19,999 farms	7	47	73	56	91	33	15	45
$1,000	87	680	1 043	771	1 296	476	(D)	631
$20,000 to $24,999 farms	3	9	13	13	17	13	2	15
$1,000	68	192	296	283	374	290	(D)	342
$25,000 to $39,999 farms	7	27	50	27	48	14	6	27
$1,000	233	846	1 604	891	1 556	447	(D)	809
$40,000 to $49,999 farms	5	14	25	8	20	3	3	9
$1,000	(D)	610	1 122	353	863	130	(D)	415
$50,000 to $99,999 farms	10	33	60	32	69	28	9	28
$1,000	(D)	2 273	4 194	2 460	5 112	2 133	(D)	2 081
$100,000 to $249,999 farms	4	39	60	22	50	27	3	37
$1,000	(D)	6 139	9 258	3 474	7 341	4 101	(D)	6 046
$250,000 to $499,999 farms	1	17	19	8	31	10	1	12
$1,000	(D)	5 812	6 312	2 793	10 348	(D)	(D)	(D)
$500,000 or more farms	-	10	9	4	9	1	-	1
$1,000	-	9 210	6 730	10 082	7 421	(D)	-	(D)
1982 value of sales[1]:								
Less than $1,000 farms	15	62	121	172	81	47	36	81
$1,000	6	19	39	36	23	9	13	25
$1,000 to $2,499 farms	17	73	91	133	74	27	25	91
$1,000	29	120	151	222	123	43	41	155
$2,500 to $4,999 farms	21	83	105	115	102	51	25	80
$1,000	71	307	382	410	364	180	89	292
$5,000 to $9,999 farms	15	60	123	90	112	64	24	87
$1,000	107	424	877	623	806	437	168	622
$10,000 to $19,999 farms	10	50	106	70	121	35	14	58
$1,000	134	717	1 490	992	1 685	479	195	811
$20,000 to $24,999 farms	1	14	23	13	17	5	3	16
$1 000	(D)	321	506	278	378	116	69	361
$25,000 to $39,999 farms	9	21	26	24	52	18	3	24
$1,000	(D)	711	864	735	1 685	510	(D)	793
$40,000 to $49,999 farms	5	14	17	11	26	6	1	12
$1,000	(D)	631	748	490	1 161	264	(D)	525
$50,000 to $99,999 farms	5	41	68	24	68	21	12	47
$1,000	(D)	3 051	5 020	1 705	4 735	1 504	(D)	3 384
$100,000 to $249,999 farms	7	42	80	25	60	28	1	39
$1,000	(D)	6 931	12 171	3 759	8 974	4 227	(D)	6 039
$250,000 to $499,999 farms	1	13	16	8	15	6	1	14
$1,000	(D)	4 768	5 164	2 808	4 578	1 768	(D)	4 943
$500,000 or more farms	-	8	8	3	7	-	-	-
$1,000	-	8 978	5 955	6 464	5 419	-	-	-
Sales by commodity or commodity group:								
Crops, including nursery and greenhouse crops farms, 1987	64	310	416	304	534	132	64	204
1982	55	318	531	380	584	158	68	244
$1,000, 1987	624	15 121	12 866	18 657	23 400	1 917	533	1 458
1982	369	16 009	14 266	14 816	20 107	1 327	317	1 718
Grains farms, 1987	39	129	232	97	155	64	10	59
1982	41	176	347	139	223	104	11	121
$1,000, 1987	390	1 932	1 952	2 825	811	932	11	280
1982	277	2 894	3 041	3 159	1 608	771	13	548
Corn for grain farms, 1987	17	118	195	79	106	42	-	27
1982	6	140	287	108	165	35	-	37
$1,000, 1987	219	1 507	1 739	2 337	654	698	-	153
1982	49	2 410	2 652	2 653	1 281	299	-	249
Wheat farms, 1987	13	25	58	41	45	20	2	23
1982	29	82	131	63	94	60	3	66
$1,000, 1987	30	81	96	189	99	100	(D)	41
1982	83	327	252	270	253	186	(D)	193
Soybeans farms, 1987	-	7	2	9	1	2	-	3
1982	-	9	7	14	3	4	-	3
$1,000, 1987	-	(D)	(D)	238	(D)	(D)	-	(D)
1982	-	101	21	147	(D)	(D)	-	(D)
Sorghum for grain farms, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	2	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	(D)	-	-	-	-
Barley farms, 1987	3	4	3	-	3	3	4	-
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 1987	5	(D)	(D)	-	(D)	(D)	(D)	-
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oats farms, 1987	20	33	65	30	21	27	8	23
1982	26	35	68	41	30	47	8	38
$1,000, 1987	49	33	67	(D)	25	49	5	37
1982	78	37	81	86	32	134	(D)	81
Other grains[2] farms, 1987	7	6	14	1	27	6	-	1
1982	4	12	15	2	38	10	-	11
$1,000, 1987	87	14	30	(D)	27	24	-	(D)
1982	67	19	35	(D)	(D)	(D)	-	(D)

See footnotes at end of table.

Table 2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales (see text) farms, 1987	84	133	1 471	293	31	1 424	1 092	880
1982	86	142	1 573	335	37	1 702	1 302	1 033
$1,000, 1987	2 599	2 935	182 959	11 562	189	63 362	36 495	46 042
1982	2 259	2 754	138 216	10 007	236	68 323	37 320	51 997
Average per farm dollars, 1987	30 935	22 070	124 378	39 462	6 090	44 496	33 420	52 321
1982	26 268	19 391	87 868	29 872	6 378	40 143	28 664	50 336
1987 value of sales:								
Less than $1,000 farms	14	24	162	35	14	104	166	55
$1,000	5	4	54	16	1	29	45	18
$1,000 to $2,499 farms	6	20	147	35	1	135	141	85
$1,000	10	35	240	63	(D)	230	233	140
$2,500 to $4,999 farms	7	17	164	32	4	139	169	105
$1,000	26	64	600	125	(D)	501	605	381
$5,000 to $9,999 farms	12	11	205	59	8	213	192	131
$1,000	86	79	1 445	420	66	1 540	1 359	958
$10,000 to $19,999 farms	5	25	160	50	2	277	145	130
$1,000	74	368	2 232	660	(D)	4 039	2 068	1 821
$20,000 to $24,999 farms	4	3	44	8	-	79	25	44
$1,000	86	68	966	183	-	1 754	558	987
$25,000 to $39,999 farms	14	15	87	19	1	128	77	75
$1,000	453	466	2 760	602	(D)	3 981	2 447	2 350
$40,000 to $49,999 farms	7	3	44	7	1	45	30	30
$1,000	(D)	125	1 923	309	(D)	2 058	1 322	1 326
$50,000 to $99,999 farms	8	7	136	13	-	136	78	94
$1,000	(D)	508	9 929	1 029	-	9 770	5 182	6 736
$100,000 to $249,999 farms	6	8	199	24	-	120	58	96
$1,000	(D)	1 217	30 208	3 560	-	18 673	8 983	14 572
$250,000 to $499,999 farms	1	-	70	10	-	36	5	27
$1,000	(D)	-	22 827	(D)	-	11 868	1 597	8 917
$500,000 or more farms	-	-	53	1	-	12	6	P
$1,000	-	-	109 775	(D)	-	8 919	12 095	7 837
1982 value of sales[1]:								
Less than $1,000 farms	16	15	141	51	11	115	197	77
$1,000	3	4	(D)	9	2	(D)	69	30
$1,000 to $2,499 farms	14	26	173	52	7	150	206	105
$1,000	22	43	(D)	87	12	(D)	349	171
$2,500 to $4,999 farms	6	23	168	46	8	186	183	118
$1,000	22	88	600	164	31	719	656	428
$5,000 to $9,999 farms	9	23	237	72	5	270	185	141
$1,000	66	170	1 684	518	(D)	1 983	1 329	1 010
$10,000 to $19,999 farms	11	20	189	30	3	296	172	146
$1,000	153	283	2 675	452	40	4 243	2 456	2 089
$20,000 to $24,999 farms	2	5	48	10	-	108	51	54
$1,000	(D)	(D)	1 061	(D)	-	2 423	1 128	1 213
$25,000 to $39,999 farms	10	10	97	19	2	169	101	126
$1,000	(D)	(D)	3 143	(D)	(D)	5 307	3 227	3 988
$40,000 to $49,999 farms	6	6	51	5	-	56	50	32
$1,000	(D)	(D)	2 235	210	-	2 513	2 256	1 432
$50,000 to $99,999 farms	6	10	176	23	1	168	87	92
$1,000	(D)	(D)	12 914	1 652	(D)	12 090	5 962	6 601
$100,000 to $249,999 farms	5	4	196	18	-	135	50	101
$1,000	(D)	750	30 213	2 780	-	20 633	7 458	15 915
$250,000 to $499,999 farms	1	-	60	8	-	40	14	34
$1,000	(D)	-	20 733	(D)	-	13 028	5 043	11 166
$500,000 or more farms	-	-	36	1	-	8	4	7
$1,000	-	-	62 614	(D)	-	5 074	7 387	7 955
Sales by commodity or commodity group:								
Crops, including nursery and greenhouse crops farms, 1987	24	77	1 024	193	11	1 264	783	690
1982	32	82	1 116	209	11	1 522	944	816
$1,000, 1987	106	1 041	78 706	6 178	79	49 950	18 776	27 325
1982	178	889	57 378	5 217	152	55 919	19 [illegible]55	32 912
Grains farms, 1987	5	29	508	118	1	1 166	[illegible]58	614
1982	11	50	646	160	4	1 434	750	748
$1,000, 1987	(D)	133	5 114	1 772	(D)	36 215	11 757	23 189
1982	23	158	8 475	1 611	(D)	44 841	15 018	28 876
Corn for grain farms, 1987	3	20	434	28	1	763	337	534
1982	9	12	512	19	1	797	401	603
$1,000, 1987	(D)	71	4 567	265	(D)	10 343	4 847	16 084
1982	19	21	7 327	(D)	(D)	14 019	6 649	21 075
Wheat farms, 1987	-	9	102	39	-	351	80	186
1982	-	19	293	85	2	534	156	320
$1,000, 1987	-	21	194	116	-	1 957	282	602
1982	-	52	820	265	(D)	2 925	429	1 165
Soybeans farms, 1987	-	-	33	-	-	1 018	415	390
1982	-	-	34	1	1	1 196	572	493
$1,000, 1987	-	-	178	-	-	19 614	5 799	5 665
1982	-	-	162	(D)	(D)	19 464	6 490	5 734
Sorghum for grain farms, 1987	-	-	-	-	-	-	1	1
1982	-	-	-	-	-	1	-	1
$1,000, 1987	-	-	-	-	-	-	(D)	(D)
1982	-	-	-	-	-	(D)	-	(D)
Barley farms, 1987	-	2	6	17	-	4	12	1
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 1987	-	(D)	10	45	-	12	(D)	(D)
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oats farms, 1987	2	12	130	71	1	214	224	47
1982	5	36	138	94	3	292	294	44
$1,000, 1987	(D)	28	137	264	(D)	341	579	(D)
1982	4	69	127	299	(D)	(D)	854	(D)
Other grains[2] farms, 1987	-	4	30	63	1	335	31	55
1982	-	8	28	73	-	539	92	52
$1,000, 1987	-	(D)	28	1 082	(D)	3 947	210	791
1982	-	16	39	920	-	7 939	595	844

See footnotes at end of table.

Table 2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales (see text) .... farms, 1987	1 559	52	1 160	1 207	1 276	1 222	334	178
1982	1 846	56	1 386	1 483	1 464	1 347	439	229
$1,000, 1987	97 533	936	38 425	75 112	69 624	47 697	16 798	3 156
1982	101 459	703	43 046	84 360	69 280	51 770	13 172	4 165
Average per farm .... dollars, 1987	62 561	17 995	33 125	62 230	54 479	39 032	50 292	17 733
1982	54 962	12 556	31 057	56 885	47 322	38 434	30 005	18 189
1987 value of sales:								
Less than $1,000 .... farms	103	8	110	111	167	171	59	46
$1,000	24	(D)	40	41	48	45	16	10
$1,000 to $2,499 .... farms	113	7	135	132	164	159	49	40
$1,000	189	(D)	240	216	270	262	86	85
$2,500 to $4,999 .... farms	162	9	164	129	175	186	53	20
$1,000	587	28	574	464	616	655	183	72
$5,000 to $9,999 .... farms	209	5	179	134	190	200	46	17
$1,000	1 497	38	1 299	945	1 380	1 454	318	127
$10,000 to $19,999 .... farms	195	11	181	159	171	151	47	27
$1,000	2 825	(D)	2 555	2 288	2 416	2 127	660	(D)
$20,000 to $24,999 .... farms	86	1	42	45	46	47	8	2
$1,000	1 927	(D)	932	1 033	1 036	1 054	176	(D)
$25,000 to $39,999 .... farms	147	4	98	110	84	62	16	4
$1,000	4 740	(D)	3 095	3 456	2 707	1 921	509	(D)
$40,000 to $49,999 .... farms	60	1	41	34	28	26	10	5
$1,000	2 689	(D)	1 823	1 534	1 260	1 168	415	(D)
$50,000 to $99,999 .... farms	191	5	103	132	122	85	16	8
$1,000	13 509	(D)	7 415	9 573	9 006	6 120	1 143	(D)
$100,000 to $249,999 .... farms	205	1	85	143	77	100	14	8
$1,000	32 762	(D)	12 665	22 090	12 141	15 122	2 135	(D)
$250,000 to $499,999 .... farms	74	-	20	63	35	28	6	1
$1,000	24 621	-	(D)	20 757	11 953	9 171	2 079	(D)
$500,000 or more .... farms	14	-	2	15	19	7	10	-
$1,000	12 162	-	(D)	12 714	26 790	8 600	9 088	-
1982 value of sales[1]:								
Less than $1,000 .... farms	120	12	105	123	162	161	68	57
$1,000	(D)	5	36	41	53	54	(D)	16
$1,000 to $2,499 .... farms	155	10	149	125	164	159	76	43
$1,000	(D)	16	256	207	269	264	(D)	73
$2,500 to $4,999 .... farms	186	14	185	146	225	204	70	29
$1,000	663	52	669	533	806	771	250	108
$5,000 to $9,999 .... farms	227	5	255	203	226	193	73	30
$1,000	1 668	36	1 867	1 307	1 656	1 386	502	217
$10,000 to $19,999 .... farms	273	4	224	186	222	195	51	25
$1,000	3 929	52	3 219	2 747	3 179	2 784	740	338
$20,000 to $24,999 .... farms	72	1	80	76	54	55	10	5
$1,000	1 613	(D)	1 808	1 732	1 202	1 212	225	(D)
$25,000 to $39,999 .... farms	169	5	114	130	114	100	19	10
$1,000	5 422	(D)	3 669	4 189	3 632	3 117	577	(D)
$40,000 to $49,999 .... farms	91	2	41	57	30	38	11	4
$1,000	4 084	(D)	1 825	2 521	1 347	1 672	450	194
$50,000 to $99,999 .... farms	238	2	130	189	132	108	25	17
$1,000	17 238	(D)	9 434	13 468	9 235	7 798	1 700	(D)
$100,000 to $249,999 .... farms	240	1	63	174	98	55	28	9
$1,000	37 163	(D)	12 127	26 260	15 421	14 611	4 036	(D)
$250,000 to $499,999 .... farms	64	-	16	63	28	31	2	1
$1,000	21 741	-	4 921	20 881	9 947	10 680	(D)	(D)
$500,000 or more .... farms	10	-	4	11	9	8	5	-
$1,000	7 626	-	3 216	10 274	22 532	7 420	(D)	-
Sales by commodity or commodity group:								
Crops, including nursery and greenhouse crops .... farms, 1987	1 157	25	962	948	1 035	891	240	89
1982	1 437	32	1 182	1 225	1 198	1 058	342	125
$1,000, 1987	40 686	234	19 956	52 431	53 085	19 808	16 317	719
1982	41 706	236	23 458	59 214	52 804	26 095	12 648	700
Grains .... farms, 1987	1 002	6	852	837	396	674	120	[illegible]
1982	1 293	11	1 097	1 140	551	884	205	50
$1,000, 1987	28 026	36	17 631	30 945	8 761	11 025	1 665	181
1982	32 172	62	21 647	43 404	11 192	17 076	[illegible]	347
Corn for grain .... farms, 1987	748	2	475	693	330	519	61	27
1982	793	-	596	886	451	703	92	28
$1,000, 1987	13 540	(D)	5 063	13 959	6 602	6 418	676	122
1982	14 561	-	7 557	20 392	8 786	11 594	1 432	235
Wheat .... farms, 1987	307	1	322	371	106	395	19	13
1982	395	1	434	546	123	515	39	20
$1,000, 1987	1 634	(D)	1 304	2 535	500	1 442	34	33
1982	1 939	(D)	1 607	3 291	853	2 038	172	80
Soybeans .... farms, 1987	455	-	882	344	130	293	98	-
1982	492	-	834	346	204	305	171	-
$1,000, 1987	6 379	-	9 958	4 345	1 560	2 838	949	-
1982	5 457	-	10 409	3 747	1 389	2 824	1 362	-
Sorghum for grain .... farms, 1987	1	-	-	-	2	3	-	-
1982	-	-	-	-	-	-	-	-
$1,000, 1987	(D)	-	-	-	(D)	(D)	-	-
1982	-	-	-	-	-	-	-	-
Barley .... farms, 1987	72	2	18	33	3	21	-	-
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 1987	(D)	(D)	41	247	(D)	(D)	-	-
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oats .... farms, 1987	542	3	373	255	32	180	21	15
1982	752	4	482	353	49	279	22	21
$1,000, 1987	1 847	(D)	874	760	32	251	26	24
1982	2 930	(D)	1 400	998	51	539	32	25
Other grains[2] .... farms, 1987	319	2	85	473	21	18	-	3
1982	536	9	102	684	28	29	-	4
$1,000, 1987	4 101	(D)	391	9 098	46	44	-	5
1982	7 286	50	573	14 975	413	81	-	7

See footnotes at end of table.

Table 2. **Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.							
Total sales (see text)-Con.							
Sales by commodity or commodity group-Con.							
Crops, including nursery and greenhouse crops-Con.							
Cotton and cottonseed ... farms, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
Tobacco ... farms, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
Hay, silage, and field seeds ... farms, 1987	11 876	82	23	368	149	49	67
1982	11 529	91	19	381	130	64	55
$1,000, 1987	53 956	251	79	1 633	504	282	320
1982	47 701	455	102	1 347	327	348	237
Vegetables, sweet corn, and melons ... farms, 1987	3 267	3	4	112	18	16	48
1982	3 630	3	3	108	14	11	29
$1,000, 1987	136 925	(D)	(D)	6 204	96	28	2 231
1982	115 525	(D)	(D)	5 760	101	26	737
Fruits, nuts, and berries ... farms, 1987	3 926	4	5	207	13	61	6
1982	4 370	7	4	211	19	77	3
$1,000, 1987	163 847	(D)	35	7 581	298	2 947	28
1982	162 143	5	26	7 530	238	2 836	(D)
Nursery and greenhouse crops ... farms, 1987	1 543	1	1	62	3	7	4
1982	1 368	-	2	50	1	7	2
$1,000, 1987	215 912	(D)	(D)	17 308	10	237	65
1982	139 682	-	(D)	13 619	(D)	171	(D)
Other crops ... farms, 1987	2 007	-	-	18	6	11	58
1982	2 015	2	1	17	5	10	49
$1,000, 1987	124 146	-	-	2 390	771	1 468	3 180
1982	104 404	(D)	(D)	2 572	(D)	1 272	2 440
Livestock, poultry, and their products ... farms, 1987	25 616	161	46	921	268	138	142
1982	30 755	227	49	1 110	294	161	181
$1,000, 1987	1 272 276	3 235	1 494	76 156	6 809	5 918	6 419
1982	1 223 652	3 947	1 718	74 529	7 033	6 079	6 489
Poultry and poultry products ... farms, 1987	2 063	10	-	74	22	19	13
1982	3 100	16	6	125	23	22	11
$1,000, 1987	116 432	(D)	-	12 434	7	1 273	28
1982	101 375	(D)	2	14 665	(D)	938	(D)
Dairy products ... farms, 1987	5 951	15	15	224	59	25	51
1982	7 589	30	26	273	69	34	66
$1,000, 1987	568 249	1 225	1 022	25 704	4 700	2 380	4 239
1982	613 059	1 867	1 367	27 082	5 235	3 003	4 447
Cattle and calves ... farms, 1987	18 164	133	38	611	239	92	112
1982	22 849	205	43	741	271	110	154
$1,000, 1987	320 270	1 501	406	13 060	1 894	1 369	936
1982	295 881	1 625	335	13 285	1 436	1 613	1 305
Hogs and pigs ... farms, 1987	5 603	6	-	266	21	20	22
1982	7 194	9	2	365	24	23	30
$1,000, 1987	226 148	(D)	-	23 862	134	282	1 199
1982	182 764	70	(D)	18 810	110	156	671
Sheep, lambs, and wool ... farms, 1987	2 072	17	4	55	22	5	4
1982	2 308	20	5	62	13	9	5
$1,000, 1987	5 632	54	(D)	117	51	17	3
1982	5 207	28	9	95	34	10	2
Other livestock and livestock products (see text) ... farms, 1987	3 945	17	7	121	25	29	10
1982	3 692	12	1	123	24	26	9
$1,000, 1987	35 546	71	(D)	980	24	597	14
1982	25 366	(D)	(D)	592	(D)	359	(D)
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION							
Cash grains (011)	15 745	14	-	292	54	16	102
Field crops, except cash grains (013)	5 654	49	11	151	82	28	65
Cotton (0131)	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	5 654	49	11	151	82	28	65
Vegetables and melons (016)	1 758	2	1	78	11	5	24
Fruits and tree nuts (017)	3 307	4	5	184	13	61	4
Horticultural specialties (018)	1 311	1	1	53	3	7	2
General farms, primarily crop (019)	2 184	4	1	55	26	7	24
Livestock, except dairy, poultry, and animal specialties (021)	12 124	126	24	483	162	64	56
Beef cattle, except feedlots (0212)	4 605	104	17	130	115	36	25
Dairy farms (024)	5 199	15	15	207	56	24	48
Poultry and eggs (025)	455	3	-	30	3	10	2
Animal specialties (027)	2 931	11	5	92	11	23	5
General farms, primarily livestock and animal specialties (029)	504	-	-	9	3	3	-

See footnotes at end of table.

Table 2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.								
Total sales (see text)-Con.								
Sales by commodity or commodity group-Con.								
Crops, including nursery and greenhouse crops-Con.								
Cotton and cottonseed	farms, 1987	-	-	-	-	-	-	-
	1982	-	-	-	-	-	-	-
	$1,000, 1987	-	-	-	-	-	-	-
	1982	-	-	-	-	-	-	-
Tobacco	farms, 1987	-	-	-	-	-	-	-
	1982	-	-	-	-	-	-	-
	$1,000, 1987	-	-	-	-	-	-	-
	1982	-	-	-	-	-	-	-
Hay, silage, and field seeds	farms, 1987	13	255	71	27	165	138	239
	1982	21	281	48	26	148	135	242
	$1,000, 1987	51	880	204	(D)	474	879	828
	1982	80	1 152	200	63	317	386	742
Vegetables, sweet corn, and melons	farms, 1987	2	33	126	13	298	17	21
	1982	6	48	125	12	361	20	26
	$1,000, 1987	(D)	352	4 395	103	9 807	675	941
	1982	18	1 225	3 225	106	9 751	361	1 575
Fruits, nuts, and berries	farms, 1987	1	14	20	66	687	18	14
	1982	2	18	17	94	846	18	20
	$1,000, 1987	(D)	(D)	41	2 559	24 517	185	402
	1982	(D)	(D)	33	2 691	26 090	(D)	(D)
Nursery and greenhouse crops	farms, 1987	-	9	20	2	77	12	18
	1982	3	12	14	4	62	13	16
	$1,000, 1987	-	284	1 627	(D)	5 890	4 259	(D)
	1982	21	183	1 121	(D)	4 869	1 360	3 340
Other crops	farms, 1987	-	4	350	-	26	3	4
	1982	-	3	348	-	30	5	4
	$1,000, 1987	-	(D)	17 636	-	74	3	(D)
	1982	-	(D)	12 763	-	132	(D)	(D)
Livestock, poultry, and their products	farms, 1987	41	573	163	64	398	547	612
	1982	52	670	205	74	466	610	729
	$1,000, 1987	(D)	22 394	3 648	983	10 644	25 235	23 158
	1982	805	24 525	3 757	920	11 065	24 221	25 966
Poultry and poultry products	farms, 1987	1	28	18	8	32	30	53
	1982	3	55	38	11	45	57	65
	$1,000, 1987	(D)	1 190	26	2	(D)	68	996
	1982	(D)	2 323	67	9	1 477	117	1 277
Dairy products	farms, 1987	16	124	29	4	42	101	106
	1982	17	162	36	6	51	151	132
	$1,000, 1987	(D)	13 312	2 296	(D)	2 635	7 217	8 810
	1982	593	15 664	2 157	216	3 117	7 105	11 270
Cattle and calves	farms, 1987	41	432	107	42	209	337	442
	1982	43	515	123	41	262	415	552
	$1,000, 1987	243	4 789	671	698	1 648	7 520	6 320
	1982	206	4 259	690	439	1 258	9 315	7 618
Hogs and pigs	farms, 1987	-	107	3[illegible]	15	145	242	158
	1982	-	134	67	16	164	263	223
	$1,000, 1987	-	2 584	384	110	5 319	10 090	6 802
	1982	-	1 823	[illegible]	(D)	4 681	7 324	5 459
Sheep, lambs, and wool	farms, 1987	-	45	8	1	27	57	46
	1982	-	47	2	6	29	56	69
	$1,000, 1987	-	99	6	(D)	(D)	131	87
	1982	-	78	(D)	(D)	17	280	171
Other livestock and livestock products (see text)	farms, 1987	1	88	28	15	83	70	84
	1982	6	98	23	26	84	50	71
	$1,000, 1987	(D)	420	265	113	648	209	144
	1982	(D)	378	229	59	514	80	171
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION								
Cash grains (011)		1	231	440	3	331	585	502
Field crops, except cash grains (013)		8	115	222	11	66	28	97
Cotton (0131)		-	-	-	-	-	-	-
Tobacco (0132)		-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		8	115	222	11	66	28	97
Vegetables and melons (016)		1	14	82	7	129	6	10
Fruits and tree nuts (017)		2	8	13	63	581	9	10
Horticultural specialties (018)		-	7	16	2	58	9	16
General farms, primarily crop (019)		4	39	36	7	41	20	37
Livestock, except dairy, poultry, and animal specialties (021)		24	305	56	37	173	264	332
Beef cattle, except feedlots (0212)		20	128	21	15	44	61	124
Dairy farms (024)		14	117	26	3	30	70	89
Poultry and eggs (025)		-	8	3	-	4	3	16
Animal specialties (027)		1	56	23	11	59	30	43
General farms, primarily livestock and animal specialties (029)		2	8	5	5	7	10	14

See footnotes at end of table.

Table 2. **Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.							
Total sales (see text)-Con.							
Sales by commodity or commodity group-Con.							
Crops, including nursery and greenhouse crops-Con.							
Cotton and cottonseed .... farms, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
Tobacco .... farms, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
Hay, silage, and field seeds .... farms, 1987	189	66	48	177	104	275	8
1982	207	69	42	167	95	264	5
$1,000, 1987	845	202	182	1 152	340	1 268	(D)
1982	816	259	104	1 263	391	1 195	15
Vegetables, sweet corn, and melons .... farms, 1987	54	15	9	4	3	22	-
1982	59	16	14	4	5	33	4
$1,000, 1987	2 785	185	42	(D)	12	453	-
1982	2 715	149	11	(D)	28	350	11
Fruits, nuts, and berries .... farms, 1987	50	19	11	5	1	25	1
1982	56	17	11	3	1	32	2
$1,000, 1987	2 800	298	(D)	119	(D)	612	(D)
1982	1 940	187	19	(D)	(D)	564	(D)
Nursery and greenhouse crops .... farms, 1987	14	7	7	1	3	22	1
1982	11	2	2	-	4	19	1
$1,000, 1987	(D)	(D)	310	(D)	(D)	1 078	(D)
1982	(D)	(D)	(D)	-	(D)	995	(D)
Other crops .... farms, 1987	3	2	1	4	-	26	-
1982	5	4	1	2	1	24	2
$1,000, 1987	(D)	(D)	(D)	16	-	896	-
1982	(D)	(D)	(D)	(D)	(D)	1 033	(D)
Livestock, poultry, and their products .... farms, 1987	484	156	111	223	212	625	12
1982	590	188	156	258	236	794	14
$1,000, 1987	40 260	3 202	3 881	5 307	7 989	40 315	(D)
1982	34 584	3 614	3 455	5 578	8 669	36 642	23
Poultry and poultry products .... farms, 1987	22	17	10	10	7	30	6
1982	47	15	21	19	9	55	2
$1,000, 1987	236	182	4	(D)	1	119	(D)
1982	857	312	8	(D)	2	(D)	(D)
Dairy products .... farms, 1987	42	26	17	61	52	187	-
1982	56	38	24	80	60	216	-
$1,000, 1987	2 832	1 983	2 638	2 843	4 231	26 453	-
1982	3 593	2 400	2 502	3 372	4 834	24 855	-
Cattle and calves .... farms, 1987	232	122	91	177	159	434	7
1982	315	165	134	219	183	583	10
$1,000, 1987	3 386	762	1 149	1 502	2 437	7 669	30
1982	3 121	736	763	1 069	2 525	6 583	14
Hogs and pigs .... farms, 1987	263	13	19	21	34	147	2
1982	304	24	20	26	53	205	2
$1,000, 1987	32 290	(D)	44	(D)	1 043	5 646	(D)
1982	26 105	96	42	123	939	4 452	(D)
Sheep, lambs, and wool .... farms, 1987	40	5	9	29	24	59	3
1982	65	7	9	35	22	59	2
$1,000, 1987	126	(D)	13	123	60	178	(D)
1982	91	(D)	8	66	60	210	(D)
Other livestock and livestock products (see text) .... farms, 1987	55	25	18	51	46	79	4
1982	66	23	19	38	33	67	5
$1,000, 1987	1 390	129	33	146	217	251	19
1982	817	51	132	(D)	309	(D)	(D)
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION							
Cash grains (011)	292	10	9	8	19	658	-
Field crops, except cash grains (013)	48	33	28	113	55	99	7
Cotton (0131)	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	48	33	28	113	55	99	7
Vegetables and melons (016)	24	5	5	-	2	11	-
Fruits and tree nuts (017)	35	16	4	3	1	22	2
Horticultural specialties (018)	10	5	6	1	3	19	1
General farms, primarily crop (019)	20	14	10	21	20	38	-
Livestock, except dairy, poultry, and animal specialties (021)	323	97	77	117	128	248	8
Beef cattle, except feedlots (0212)	43	58	58	81	73	64	2
Dairy farms (024)	32	24	14	47	43	169	-
Poultry and eggs (025)	2	5	-	2	-	6	1
Animal specialties (027)	42	18	17	21	24	53	1
General farms, primarily livestock and animal specialties (029)	11	5	1	5	3	12	-

See footnotes at end of table.

Table 2. **Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.							
Total sales (see text)-Con.							
Sales by commodity or commodity group-Con.							
Crops, including nursery and greenhouse crops-Con.							
Cotton and cottonseed farms, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
Tobacco farms, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
Hay, silage, and field seeds farms, 1987	76	35	263	72	176	122	17
1982	95	29	262	64	212	113	14
$1,000, 1987	326	104	821	446	(D)	422	24
1982	348	105	1 046	170	659	353	38
Vegetables, sweet corn, and melons farms, 1987	16	4	39	9	46	3	3
1982	15	2	29	12	59	9	2
$1,000, 1987	31	(D)	2 376	134	490	(D)	(D)
1982	(D)	(D)	1 960	(D)	(D)	(D)	(D)
Fruits, nuts, and berries farms, 1987	15	-	28	5	43	4	3
1982	9	2	24	5	56	-	2
$1,000, 1987	72	-	108	25	1 000	19	(Z)
1982	80	(D)	104	(D)	1 162	-	(D)
Nursery and greenhouse crops farms, 1987	3	7	15	7	38	1	2
1982	3	9	12	11	30	1	1
$1,000, 1987	64	316	1 684	428	2 328	(D)	(D)
1982	(D)	200	714	133	1 726	(D)	(D)
Other crops farms, 1987	21	12	6	9	7	10	-
1982	15	12	5	11	10	5	2
$1,000, 1987	884	1 364	1 089	225	(D)	219	-
1982	741	1 318	552	474	(D)	158	(D)
Livestock, poultry, and their products farms, 1987	187	68	596	147	363	266	37
1982	231	85	716	179	438	323	59
$1,000, 1987	6 528	2 [illegible]45	16 150	3 179	13 969	5 118	825
1982	5 880	2 336	15 974	3 080	16 025	4 841	978
Poultry and poultry products farms, 1987	5	2	42	13	39	30	2
1982	28	5	58	15	56	37	5
$1,000, 1987	2	(D)	208	5	14	24	(D)
1982	12	3	351	6	123	24	3
Dairy products farms, 1987	57	21	113	32	31	67	6
1982	61	29	142	30	51	57	11
$1,000, 1987	3 773	1 272	7 640	2 106	4 068	2 500	166
1982	3 664	1 511	8 170	2 169	6 824	2 395	216
Cattle and calves farms, 1987	157	58	416	125	217	236	29
1982	189	77	524	151	297	290	49
$1,000, 1987	1 175	345	3 934	964	7 145	1 766	62
1982	1 124	290	4 196	758	6 515	1 839	135
Hogs and pigs farms, 1987	13	7	135	15	73	58	2
1982	30	7	153	20	90	80	1
$1,000, 1987	260	46	3 914	73	2 284	687	(D)
1982	125	(D)	2 824	54	1 939	476	(D)
Sheep, lambs, and wool farms, 1987	7	-	64	10	34	28	-
1982	11	2	72	4	49	30	1
$1,000, 1987	3	-	189	15	56	75	-
1982	15	(D)	185	3	40	36	(D)
Other livestock and livestock products (see text) farms, 1987	27	13	102	11	95	31	7
1982	30	16	106	25	89	24	8
$1,000, 1987	1 315	(D)	264	17	401	67	(D)
1982	941	(D)	249	89	584	70	622
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION							
Cash grains (011)	12	1	537	3	348	70	-
Field crops, except cash grains (013)	56	32	98	40	76	60	13
Cotton (0131)	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	56	32	98	40	76	60	13
Vegetables and melons (016)	1	2	27	5	26	1	3
Fruits and tree nuts (017)	11	1	14	5	42	3	1
Horticultural specialties (018)	3	7	14	8	33	1	2
General farms, primarily crop (019)	14	4	56	12	30	32	3
Livestock, except dairy, poultry, and animal specialties (021)	94	29	291	99	168	171	20
Beef cattle, except feedlots (0212)	68	20	113	72	44	102	12
Dairy farms (024)	56	18	99	21	27	53	6
Poultry and eggs (025)	1	-	9	3	6	-	1
Animal specialties (027)	21	12	65	11	88	15	3
General farms, primarily livestock and animal specialties (029)	2	3	9	5	7	5	1

See footnotes at end of table.

Table 2. **Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.								
Total sales (see text)-Con.								
Sales by commodity or commodity group-Con.								
Crops, including nursery and greenhouse crops-Con.								
Cotton and cottonseed farms, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
Tobacco farms, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
Hay, silage, and field seeds farms, 1987	96	139	265	47	260	253	270	78
1982	100	128	254	51	246	211	259	83
$1,000, 1987	(D)	914	1 608	167	2 715	856	1 022	353
1982	383	804	1 636	117	1 870	758	884	373
Vegetables, sweet corn, and melons farms, 1987	41	61	21	9	11	36	49	5
1982	36	41	24	8	6	45	64	5
$1,000, 1987	857	3 570	496	38	(D)	2 318	1 392	37
1982	368	1 888	838	12	(D)	3 527	1 282	22
Fruits, nuts, and berries farms, 1987	188	16	17	25	13	26	40	6
1982	193	15	15	28	6	33	42	4
$1,000, 1987	6 461	160	381	77	53	447	2 807	46
1982	6 979	(D)	352	64	35	640	2 554	(D)
Nursery and greenhouse crops farms, 1987	14	9	11	5	6	25	13	3
1982	12	10	6	4	2	18	8	1
$1,000, 1987	871	172	(D)	196	(D)	3 243	(D)	12
1982	(D)	(D)	242	59	(D)	1 924	(D)	(D)
Other crops farms, 1987	1	99	2	8	330	11	3	-
1982	4	53	-	16	345	13	1	-
$1,000, 1987	(D)	6 839	(D)	124	14 480	280	(D)	-
1982	(D)	3 257	-	425	11 639	316	(D)	-
Livestock, poultry, and their products farms, 1987	165	433	617	79	763	540	627	137
1982	194	530	758	119	917	673	756	167
$1,000, 1987	3 813	28 972	32 346	1 559	91 837	26 044	49 284	5 842
1982	4 437	26 214	33 056	1 835	80 801	26 760	37 137	5 407
Poultry and poultry products farms, 1987	13	31	45	10	51	14	16	12
1982	21	42	77	17	78	75	31	14
$1,000, 1987	3	1 237	554	(D)	11 544	241	(D)	5
1982	(D)	1 676	1 333	130	14 333	247	(D)	3
Dairy products farms, 1987	19	116	140	19	324	111	182	30
1982	23	158	186	50	425	149	215	31
$1,000, 1987	1 659	13 268	12 812	1 063	28 369	14 675	22 763	2 373
1982	2 257	13 504	15 192	1 367	29 090	16 671	21 077	2 377
Cattle and calves farms, 1987	104	318	410	65	641	358	488	119
1982	138	379	527	98	776	486	591	151
$1,000, 1987	1 231	10 755	10 332	326	42 879	5 269	7 613	2 981
1982	1 391	7 852	8 996	329	30 940	4 494	6 050	2 770
Hogs and pigs farms, 1987	34	135	216	1	119	123	140	8
1982	55	153	245	6	150	141	192	15
$1,000, 1987	664	3 557	8 334	(D)	8 805	5 095	6 407	398
1982	406	3 020	6 940	4	6 167	4 369	4 490	324
Sheep, lambs, and wool farms, 1987	7	36	64	4	25	78	32	10
1982	7	37	93	8	20	83	42	10
$1,000, 1987	10	64	107	8	19	284	(D)	29
1982	4	37	296	3	12	342	110	11
Other livestock and livestock products (see text) farms, 1987	41	39	80	12	34	97	55	21
1982	43	41	72	4	26	97	50	15
$1,000, 1987	245	91	207	64	222	479	124	56
1982	(D)	124	298	(D)	258	637	(D)	1
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION								
Cash grains (011)	18	538	555	2	597	291	379	19
Field crops, except cash grains (013)	38	71	68	36	124	93	95	44
Cotton (0131)	-	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	38	71	68	36	124	93	95	44
Vegetables and melons (016)	19	26	5	5	1	13	19	4
Fruits and tree nuts (017)	202	10	7	18	10	26	34	4
Horticultural specialties (018)	9	8	11	4	4	21	11	2
General farms, primarily crop (019)	15	39	39	9	79	43	45	14
Livestock, except dairy, poultry, and animal specialties (021)	85	190	290	42	247	271	290	86
Beef cattle, except feedlots (0212)	31	49	60	34	65	72	80	57
Dairy farms (024)	19	101	112	16	249	101	161	28
Poultry and eggs (025)	2	7	4	3	24	4	6	3
Animal specialties (027)	39	13	36	9	20	78	33	11
General farms, primarily livestock and animal specialties (029)	1	8	15	3	35	13	16	-

See footnotes at end of table.

Table 2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.								
Total sales (see text)-Con.								
Sales by commodity or commodity group-Con.								
Crops, including nursery and greenhouse crops-Con.								
Cotton and cottonseed farms, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
Tobacco farms, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
Hay, silage, and field seeds farms, 1987	23	279	313	160	32	392	-	49
1982	29	274	352	152	27	369	-	37
$1,000, 1987	32	1 499	1 408	810	93	1 924	-	109
1982	167	1 135	1 548	691	75	1 371	-	148
Vegetables, sweet corn, and melons farms, 1987	-	12	48	45	4	118	-	1
1982	2	14	51	53	1	136	-	5
$1,000, 1987	-	(D)	2 574	4 163	(D)	6 050	-	(D)
1982	(D)	770	1 577	824	(D)	4 794	-	16
Fruits, nuts, and berries farms, 1987	-	9	27	57	3	228	-	2
1982	4	11	31	66	2	235	-	-
$1,000, 1987	-	87	(D)	1 451	22	19 154	-	(D)
1982	(D)	84	183	1 789	(D)	17 535	-	-
Nursery and greenhouse crops farms, 1987	1	5	21	92	5	71	-	-
1982	3	2	22	86	1	65	-	-
$1,000, 1987	(D)	(D)	805	17 090	41	15 946	-	-
1982	18	(D)	345	11 417	(D)	9 727	-	-
Other crops farms, 1987	5	7	8	6	3	15	-	-
1982	7	2	7	4	6	13	-	-
$1,000, 1987	529	279	(D)	94	(D)	635	-	-
1982	816	(D)	90	85	1 073	811	-	-
Livestock, poultry, and their products farms, 1987	65	488	640	380	48	731	-	81
1982	73	583	715	456	59	854	4	90
$1,000, 1987	1 037	29 402	32 651	28 542	1 122	32 600	-	1 136
1982	802	28 333	25 853	22 185	1 262	32 472	2	1 185
Poultry and poultry products farms, 1987	4	21	49	43	10	41	-	10
1982	10	32	83	59	9	70	1	9
$1,000, 1987	(D)	(D)	96	3 501	2	16	-	(D)
1982	(D)	(D)	177	1 700	1	(D)	(D)	(D)
Dairy products farms, 1987	10	166	83	34	9	166	-	10
1982	9	190	109	50	15	225	1	16
$1,000, 1987	459	16 447	11 525	4 698	642	20 649	-	504
1982	277	15 930	12 656	(D)	548	21 825	(D)	794
Cattle and calves farms, 1987	56	387	425	196	35	519	-	70
1982	63	492	527	276	46	673	4	78
$1,000, 1987	432	7 380	10 173	4 579	147	7 835	-	439
1982	375	8 236	9 574	5 444	278	6 280	2	298
Hogs and pigs farms, 1987	4	103	172	103	10	112	-	14
1982	7	103	208	154	11	173	-	16
$1,000, 1987	6	3 285	10 092	5 591	225	2 645	-	63
1982	(D)	2 634	2 764	4 978	(D)	2 853	-	24
Sheep, lambs, and wool farms, 1987	11	29	70	40	3	39	-	4
1982	3	16	86	40	5	49	-	5
$1,000, 1987	17	(D)	349	(D)	(D)	50	-	(D)
1982	(D)	12	377	93	(D)	63	-	7
Other livestock and livestock products (see text) farms, 1987	9	49	127	94	12	155	-	12
1982	9	48	86	83	14	121	-	11
$1,000, 1987	(D)	295	414	(D)	(D)	1 406	-	79
1982	(D)	(D)	305	(D)	178	(D)	-	(D)
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION								
Cash grains (011)	3	303	336	297	11	185	-	4
Field crops, except cash grains (013)	18	142	132	52	18	172	-	29
Cotton (0131)	-	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	18	142	132	52	18	172	-	29
Vegetables and melons (016)	-	6	21	24	2	62	-	-
Fruits and tree nuts (017)	-	8	25	42	5	176	-	-
Horticultural specialties (018)	1	3	17	90	5	67	-	-
General farms, primarily crop (019)	8	31	57	34	8	81	1	1
Livestock, except dairy, poultry, and animal specialties (021)	46	233	345	169	27	320	-	58
Beef cattle, except feedlots (0212)	35	91	84	52	13	111	-	42
Dairy farms (024)	10	140	69	29	9	147	-	9
Poultry and eggs (025)	3	5	6	17	2	6	-	4
Animal specialties (027)	6	29	85	85	2	139	1	5
General farms, primarily livestock and animal specialties (029)	-	12	10	3	-	13	-	1

See footnote at end of table.

Table 2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.								
Total sales (see text)-Con.								
Sales by commodity or commodity group-Con.								
Crops, including nursery and greenhouse crops-Con.								
Cotton and cottonseed farms, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
Tobacco farms, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
Hay, silage, and field seeds farms, 1987	371	50	206	268	9	29	110	71
1982	353	49	154	252	13	29	95	72
$1,000, 1987	1 925	115	784	1 210	43	180	(D)	(D)
1982	1 492	127	455	944	34	71	306	183
Vegetables, sweet corn, and melons farms, 1987	60	16	78	30	4	3	139	46
1982	62	20	71	43	3	3	172	39
$1,000, 1987	8 336	130	5 221	(D)	(D)	13	4 172	1 680
1982	6 727	117	3 941	(D)	(D)	8	4 347	703
Fruits, nuts, and berries farms, 1987	38	237	39	29	1	1	50	83
1982	32	263	39	34	-	-	57	95
$1,000, 1987	1 218	10 874	613	569	(D)	(D)	2 798	4 949
1982	948	10 709	535	505	-	-	(D)	4 953
Nursery and greenhouse crops farms, 1987	45	9	15	45	5	2	115	13
1982	26	9	16	32	2	3	101	10
$1,000, 1987	6 709	(D)	306	1 594	177	(D)	11 626	710
1982	3 205	(D)	246	526	(D)	(D)	11 139	305
Other crops farms, 1987	13	3	30	6	1	2	14	5
1982	16	5	11	2	1	2	10	10
$1,000, 1987	917	(D)	1 767	(D)	(D)	(D)	(D)	(D)
1982	653	(D)	688	(D)	(D)	(D)	(D)	1 363
Livestock, poultry, and their products farms, 1987	720	114	541	432	21	61	232	119
1982	826	143	667	531	19	75	305	146
$1,000, 1987	25 450	3 536	32 303	16 513	499	2 440	4 990	1 152
1982	27 015	4 311	31 544	19 631	487	2 743	9 374	1 001
Poultry and poultry products farms, 1987	56	13	38	41	2	11	40	20
1982	86	19	71	60	5	10	47	20
$1,000, 1987	197	(D)	735	60	(D)	7	159	2
1982	95	(D)	790	89	55	5	604	4
Dairy products farms, 1987	174	21	100	88	-	20	35	9
1982	218	25	106	104	-	31	70	9
$1,000, 1987	14 203	1 220	13 300	9 826	-	1 816	2 816	228
1982	15 478	1 458	13 333	11 465	-	2 188	4 643	308
Cattle and calves farms, 1987	511	76	315	272	17	56	135	90
1982	629	104	386	366	16	67	215	117
$1,000, 1987	8 716	1 577	9 685	4 874	398	595	1 061	709
1982	8 648	2 359	9 319	6 230	409	503	3 155	534
Hogs and pigs farms, 1987	84	10	183	81	5	4	42	21
1982	157	27	243	111	3	7	56	30
$1,000, 1987	1 199	94	7 966	905	(D)	4	745	88
1982	2 080	131	6 903	960	(D)	10	553	73
Sheep, lambs, and wool farms, 1987	69	3	65	66	-	4	25	8
1982	69	6	101	81	-	4	32	5
$1,000, 1987	134	(D)	221	92	-	1	34	9
1982	88	5	241	119	-	1	32	10
Other livestock and livestock products (see text) farms, 1987	145	34	81	114	2	8	51	29
1982	129	28	72	111	1	8	38	21
$1,000, 1987	1 002	496	396	757	(D)	16	176	116
1982	626	(D)	957	767	(D)	37	387	71
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION								
Cash grains (011)	256	16	827	165	-	2	201	11
Field crops, except cash grains (013)	171	21	55	132	7	14	46	40
Cotton (0131)	-	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	171	21	55	132	7	14	46	40
Vegetables and melons (016)	32	8	24	18	2	3	89	26
Fruits and tree nuts (017)	33	244	22	19	2	-	34	71
Horticultural specialties (018)	35	7	11	42	4	1	94	10
General farms, primarily crop (019)	68	8	47	44	1	7	26	15
Livestock, except dairy, poultry, and animal specialties (021)	315	43	238	182	17	31	79	81
Beef cattle, except feedlots (0212)	104	18	39	52	11	27	23	40
Dairy farms (024)	158	16	89	82	-	19	29	7
Poultry and eggs (025)	11	4	8	2	-	-	10	3
Animal specialties (027)	138	23	59	96	1	3	55	13
General farms, primarily livestock and animal specialties (029)	11	4	7	7	-	-	4	3

See footnotes at end of table.

Table 2. **Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.								
Total sales (see text)-Con.								
Sales by commodity or commodity group-Con.								
Crops, including nursery and greenhouse crops-Con.								
Cotton and cottonseed farms, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
Tobacco farms, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
Hay, silage, and field seeds farms, 1987	23	111	219	121	64	106	128	273
1982	24	105	240	116	55	115	107	286
$1,000, 1987	48	(D)	1 197	483	236	806	376	1 094
1982	183	304	1 110	439	186	837	725	1 055
Vegetables, sweet corn, and melons farms, 1987	3	101	19	5	17	1	107	43
1982	10	93	32	3	16	3	124	33
$1,000, 1987	2	2 159	372	13	353	(D)	4 162	1 475
1982	(D)	1 538	478	(D)	202	13	5 266	(D)
Fruits, nuts, and berries farms, 1987	3	60	16	6	8	1	47	29
1982	2	72	14	2	11	5	48	27
$1,000, 1987	(D)	3 536	297	6	30	(D)	377	1 183
1982	(D)	3 600	(D)	(D)	38	18	408	875
Nursery and greenhouse crops farms, 1987	4	21	4	2	7	4	56	10
1982	4	19	2	2	5	3	58	6
$1,000, 1987	(D)	983	106	(D)	39	(D)	8 127	441
1982	26	(D)	(D)	(D)	103	(D)	5 131	(D)
Other crops farms, 1987	12	1	5	5	17	6	44	57
1982	12	4	8	7	19	4	15	59
$1,000, 1987	473	(D)	1 202	(D)	1 509	(D)	4 984	13 458
1982	273	(D)	2 079	12	1 118	(D)	4 019	15 494
Livestock, poultry, and their products farms, 1987	57	182	433	287	206	225	355	510
1982	81	260	461	376	203	281	417	612
$1,000, 1987	905	7 312	14 364	16 736	5 478	21 182	13 117	20 356
1982	1 023	9 736	15 533	16 350	6 631	21 620	14 136	20 378
Poultry and poultry products farms, 1987	7	20	28	20	18	5	68	36
1982	21	25	40	21	27	11	96	55
$1,000, 1987	3	(D)	61	(D)	2	2	833	(D)
1982	3	124	31	(D)	5	(D)	1 624	486
Dairy products farms 1987	8	58	137	130	14	130	34	160
1982	16	84	145	186	15	172	31	216
$1,000, 1987	574	4 644	9 661	11 987	628	16 912	2 183	13 872
1982	775	6 499	9 162	12 616	1 003	17 778	1 984	14 979
Cattle and calves farms, 1987	39	135	355	263	131	202	170	384
1982	59	212	389	331	134	252	224	492
$1,000, 1987	187	1 427	2 797	2 445	3 569	3 357	6 759	4 376
1982	204	2 452	5 398	1 962	4 769	2 997	6 762	3 042
Hogs and pigs farms, 1987	5	23	84	15	58	19	120	120
1982	10	45	84	36	61	22	144	130
$1,000, 1987	(D)	933	1 305	84	1 090	685	2 846	1 566
1982	26	467	764	187	730	635	3 408	1 645
Sheep, lambs, and wool farms, 1987	5	12	19	7	13	9	50	24
1982	2	10	17	8	5	14	36	22
$1,000, 1987	(D)	(D)	32	(D)	17	28	54	(D)
1982	(D)	48	16	2	5	26	39	40
Other livestock and livestock products (see text) farms, 1987	17	36	68	16	44	12	62	72
1982	15	33	38	29	39	13	79	50
$1,000, 1987	94	131	506	2 078	172	198	442	354
1982	13	146	161	(D)	120	(D)	319	186
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION								
Cash grains (011)	-	43	57	16	214	7	828	309
Field crops, except cash grains (013)	20	54	134	60	34	69	41	170
Cotton (0131)	-	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	20	54	134	60	34	69	41	170
Vegetables and melons (016)	-	78	10	3	5	-	56	10
Fruits and tree nuts (017)	4	57	7	5	7	1	23	22
Horticultural specialties (018)	4	21	4	2	5	4	45	9
General farms, primarily crop (019)	13	18	40	19	19	12	22	44
Livestock, except dairy, poultry, and animal specialties (021)	30	72	218	123	128	65	127	215
Beef cattle, except feedlots (0212)	22	36	116	83	61	40	24	68
Dairy farms (024)	7	54	123	123	10	125	24	142
Poultry and eggs (025)	1	1	3	2	-	1	14	3
Animal specialties (027)	19	23	36	15	32	14	72	42
General farms, primarily livestock and animal specialties (029)	3	5	7	6	5	6	6	14

See footnotes at end of table.

Table 2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.									
Total sales (see text)—Con.									
Sales by commodity or commodity group—Con.									
Crops, including nursery and greenhouse crops—Con.									
Cotton and cottonseed	farms, 1987	-	-	-	-	-	-	-	-
	1982	-	-	-	-	-	-	-	-
	$1,000, 1987	-	-	-	-	-	-	-	-
	1982	-	-	-	-	-	-	-	-
Tobacco	farms, 1987	-	-	-	-	-	-	-	-
	1982	-	-	-	-	-	-	-	-
	$1,000, 1987	-	-	-	-	-	-	-	-
	1982	-	-	-	-	-	-	-	-
Hay, silage, and field seeds	farms, 1987	40	136	230	144	161	95	59	173
	1982	21	117	250	170	139	100	53	178
	$1,000, 1987	203	(D)	958	660	(D)	555	508	833
	1982	63	592	1 011	679	526	394	292	767
Vegetables, sweet corn, and melons	farms, 1987	3	60	58	38	315	5	4	5
	1982	-	52	62	56	332	6	4	2
	$1,000, 1987	12	3 [illegible]	6 911	(D)	11 810	21	2	5
	1982	-	3 390	7 181	500	7 824	2	9	(D)
Fruits, nuts, and berries	farms, 1987	2	65	39	32	199	4	3	2
	1982	2	64	38	56	226	5	3	4
	$1,000, 1987	(D)	5 701	2 366	402	9 055	6	(D)	(D)
	1982	(D)	294	2 204	886	9 466	33	(D)	(D)
Nursery and greenhouse crops	farms, 1987	1	30	10	75	21	2	-	4
	1982	3	23	12	75	16	2	1	4
	$1,000, 1987	(D)	3 247	374	14 420	1 041	(D)	-	41
	1982	8	(D)	(D)	9 585	670	(D)	(D)	56
Other crops	farms, 1987	1	3	11	3	2	3	1	3
	1982	1	3	12	5	8	1	3	3
	$1,000, 1987	(D)	(D)	305	(D)	(D)	(D)	(D)	(D)
	1982	(D)	(D)	(D)	6	13	(D)	(D)	(D)
Livestock, poultry, and their products	farms, 1987	72	241	418	310	283	201	86	348
	1982	78	294	484	358	329	230	105	422
	$1,000, 1987	1 920	11 385	16 831	3 497	12 042	10 093	1 560	14 463
	1982	2 379	10 969	19 103	3 708	9 823	8 211	1 534	16 233
Poultry and poultry products	farms, 1987	4	23	18	44	26	11	7	18
	1982	8	32	45	55	41	8	11	22
	$1,000, 1987	(D)	14	1 217	23	(D)	1	3	9
	1982	4	21	2 028	32	568	3	3	(D)
Dairy products	farms, 1987	17	59	154	18	50	72	17	107
	1982	25	82	154	23	68	76	27	150
	$1,000, 1987	1 345	6 699	12 657	1 314	5 153	7 501	1 018	11 034
	1982	(D)	7 638	12 847	1 499	4 781	6 154	974	12 764
Cattle and calves	farms, 1987	60	176	341	135	217	173	72	287
	1982	66	224	393	183	262	205	92	377
	$1,000, 1987	416	3 497	3 518	786	4 546	2 249	501	2 704
	1982	308	2 603	2 792	991	3 369	1 837	515	2 158
Hogs and pigs	farms, 1987	10	55	65	30	58	23	1	46
	1982	7	69	91	44	69	30	5	47
	$1,000, 1987	54	1 019	1 147	393	1 738	184	(D)	536
	1982	34	589	1 185	268	979	123	6	563
Sheep, lambs, and wool	farms, 1987	4	6	18	60	17	11	4	19
	1982	5	7	21	48	15	16	11	15
	$1,000, 1987	(D)	10	25	90	(D)	11	(D)	50
	1982	9	(D)	53	86	15	14	20	41
Other livestock and livestock products (see text)	farms, 1987	5	33	55	145	33	24	10	46
	1982	8	37	46	141	30	14	8	38
	$1,000, 1987	93	145	257	891	160	146	23	31
	1982	(D)	93	198	832	111	80	17	(D)
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION									
Cash grains (011)		15	32	82	45	28	16	1	11
Field crops, except cash grains (013)		20	60	125	77	58	49	32	123
Cotton (0131)		-	-	-	-	-	-	-	-
Tobacco (0132)		-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		20	60	125	77	58	49	32	123
Vegetables and melons (016)		2	36	39	17	221	1	1	1
Fruits and tree nuts (017)		2	60	35	33	122	6	2	2
Horticultural specialties (018)		1	26	9	70	13	2	-	4
General farms, primarily crop (019)		8	20	40	30	27	20	9	38
Livestock, except dairy, poultry, and animal specialties (021)		39	127	172	131	143	105	48	182
Beef cattle, except feedlots (0212)		27	38	80	42	63	69	41	122
Dairy farms (024)		16	49	143	16	39	66	17	99
Poultry and eggs (025)		1	4	6	7	5	-	3	6
Animal specialties (027)		4	42	30	166	13	20	4	30
General farms, primarily livestock and animal specialties (029)		-	4	6	4	17	3	-	7

See footnotes at end of table.

Table 2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.									
Total sales (see text)-Con.									
Sales by commodity or commodity group-Con.									
Crops, including nursery and greenhouse crops-Con.									
Cotton and cottonseed	farms, 1987	-	-	-	-	-	-	-	-
	1982	-	-	-	-	-	-	-	-
	$1,000, 1987	-	-	-	-	-	-	-	-
	1982	-	-	-	-	-	-	-	-
Tobacco	farms, 1987	-	-	-	-	-	-	-	-
	1982	-	-	-	-	-	-	-	-
	$1,000, 1987	-	-	-	-	-	-	-	-
	1982	-	-	-	-	-	-	-	-
Hay, silage, and field seeds	farms, 1987	21	64	344	97	9	134	304	197
	1982	24	51	303	68	5	111	275	203
	$1,000, 1987	98	504	1 358	414	24	400	945	947
	1982	153	241	860	238	47	627	954	1 014
Vegetables, sweet corn, and melons	farms, 1987	3	4	152	8	-	59	45	29
	1982	1	3	182	1	-	66	70	38
	$1,000, 1987	(D)	(D)	7 747	12	-	2 104	784	1 185
	1982	(D)	2	7 334	(D)	-	1 790	1 442	2 069
Fruits, nuts, and berries	farms, 1987	-	1	217	6	1	34	22	13
	1982	2	2	221	1	2	44	20	13
	$1,000, 1987	-	(D)	16 865	23	(D)	275	392	176
	1982	(D)	(D)	13 621	(D)	(D)	333	302	149
Nursery and greenhouse crops	farms, 1987	-	1	123	-	2	26	35	16
	1982	1	2	117	2	2	28	31	11
	$1,000, 1987	-	(D)	47 324	-	(D)	1 425	4 145	1 789
	1982	(D)	(D)	26 622	(D)	(D)	1 060	1 680	773
Other crops	farms, 1987	-	6	16	31	-	175	20	8
	1982	-	11	18	42	-	186	20	12
	$1,000, 1987	-	373	298	3 956	-	9 532	754	39
	1982	-	476	466	3 317	-	7 267	460	31
Livestock, poultry, and their products	farms, 1987	71	74	802	212	15	410	529	463
	1982	69	95	959	224	25	501	669	580
	$1,000, 1987	2 493	1 894	104 253	5 385	110	13 411	17 719	18 718
	1982	2 081	1 864	80 837	4 790	84	12 404	17 464	19 086
Poultry and poultry products	farms, 1987	11	6	81	24	3	56	52	48
	1982	12	10	114	25	4	83	82	59
	$1,000, 1987	7	1	50 634	10	(D)	149	(D)	1 455
	1982	5	3	28 492	9	(D)	443	(D)	1 312
Dairy products	farms, 1987	34	21	200	42	-	81	96	91
	1982	32	29	266	50	1	101	135	113
	$1,000, 1987	1 569	882	22 800	3 779	-	6 705	5 828	6 016
	1982	1 538	(D)	24 738	3 312	(D)	7 004	7 684	6 378
Cattle and calves	farms, 1987	55	68	584	193	13	276	370	276
	1982	55	82	720	210	17	343	503	345
	$1,000, 1987	817	872	15 211	1 398	96	4 132	6 492	2 789
	1982	486	799	12 987	1 299	47	3 150	5 411	3 104
Hogs and pigs	farms, 1987	10	4	193	10	2	79	77	218
	1982	7	9	233	27	5	116	123	286
	$1,000, 1987	42	(D)	15 355	(D)	(D)	1 760	777	8 240
	1982	15	40	14 267	130	9	1 202	774	8 038
Sheep, lambs, and wool	farms, 1987	11	4	22	2	2	33	41	64
	1982	10	4	45	2	1	21	54	53
	$1,000, 1987	28	(D)	26	(D)	(D)	106	(D)	117
	1982	21	3	49	(D)	(D)	77	41	93
Other livestock and livestock products (see text)	farms, 1987	17	4	97	12	3	67	92	70
	1982	10	4	86	8	11	79	104	71
	$1,000, 1987	30	(D)	228	35	1	558	394	101
	1982	16	(D)	304	39	23	528	(D)	159
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION									
Cash grains (011)		-	6	194	39	-	954	395	450
Field crops, except cash grains (013)		9	47	119	76	2	89	153	36
Cotton (0131)		-	-	-	-	-	-	-	-
Tobacco (0132)		-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		9	47	119	76	2	89	153	36
Vegetables and melons (016)		-	3	100	3	-	24	24	13
Fruits and tree nuts (017)		-	-	188	3	2	17	17	5
Horticultural specialties (018)		-	1	103	-	2	22	33	12
General farms, primarily crop (019)		4	9	46	10	6	50	74	25
Livestock, except dairy, poultry, and animal specialties (021)		31	42	408	113	14	118	217	243
Beef cattle, except feedlots (0212)		13	34	129	79	11	31	81	28
Dairy farms (024)		31	19	181	40	-	69	82	59
Poultry and eggs (025)		3	-	41	1	2	11	10	9
Animal specialties (027)		6	5	79	7	3	60	75	22
General farms, primarily livestock and animal specialties (029)		-	1	12	1	-	10	12	6

See footnotes at end of table.

Table 2. **Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.								
Total sales (see text)-Con.								
Sales by commodity or commodity group-Con.								
Crops, including nursery and greenhouse crops-Con.								
Cotton and cottonseed ......farms, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
Tobacco ......farms, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
Hay, silage, and field seeds ......farms, 1987	418	16	247	224	213	365	33	63
1982	400	15	223	191	210	360	38	87
$1,000, 1987	3 016	116	1 090	793	836	1 359	98	175
1982	2 351	68	838	663	628	1 359	145	258
Vegetables, sweet corn, and melons ......farms, 1987	27	7	21	40	201	47	55	10
1982	25	3	19	38	281	60	71	11
$1,000, 1987	475	(D)	167	1 744	9 869	2 215	987	325
1982	279	(D)	63	954	7 133	2 030	1 153	141
Fruits, nuts, and berries ......farms, 1987	28	7	15	15	514	43	32	1
1982	33	4	23	16	562	42	39	6
$1,000, 1987	306	18	36	425	24 829	(D)	416	(D)
1982	374	16	88	551	25 326	(D)	(D)	23
Nursery and greenhouse crops ......farms, 1987	18	-	18	5	40	47	78	3
1982	16	-	14	4	34	42	94	4
$1,000, 1987	2 837	-	598	50	8 761	3 430	13 121	(D)
1982	1 133	-	281	30	8 437	3 054	7 821	(D)
Other crops ......farms, 1987	91	4	13	294	9	9	4	-
1982	106	5	22	301	14	7	5	1
$1,000, 1987	6 227	(D)	433	16 475	20	(D)	10	-
1982	5 396	(D)	540	13 613	88	(D)	(D)	(D)
Livestock, poultry, and their products ......farms, 1987	887	33	501	516	415	679	90	110
1982	1 050	37	609	637	535	766	118	135
$1,000, 1987	56 647	702	18 470	22 680	16 539	27 889	481	2 437
1982	59 753	467	19 588	25 146	16 476	25 676	526	3 376
Poultry and poultry products ......farms, 1987	54	-	45	52	53	65	20	6
1982	51	4	56	64	68	121	25	9
$1,000, 1987	169	-	302	4 271	1 122	236	104	3
1982	181	(D)	254	5 931	1 851	350	68	1
Dairy products ......farms, 1987	428	2	124	112	40	105	1	20
1982	544	3	155	147	60	123	2	35
$1,000, 1987	42 143	(D)	11 794	10 785	2 919	12 299	(D)	1 530
1982	47 630	(D)	13 019	11 913	3 236	12 678	(D)	2 066
Cattle and calves ......farms, 1987	748	28	341	389	235	381	29	80
1982	912	30	448	498	310	467	42	106
$1,000, 1987	11 851	459	3 622	4 082	2 400	8 962	52	534
1982	10 172	369	3 920	3 865	2 504	7 080	99	611
Hogs and pigs ......farms, 1987	125	8	139	118	152	144	18	13
1982	154	9	135	135	237	180	24	22
$1,000, 1987	2 203	95	2 [illegible]	3 320	9 707	4 603	49	(D)
1982	1 556	13	1 [illegible]	3 272	8 714	3 646	76	498
Sheep, lambs, and wool ......farms, 1987	26	-	53	19	24	186	10	2
1982	29	-	55	35	31	206	15	4
$1,000, 1987	34	-	73	61	65	1 156	(D)	(D)
1982	47	-	81	33	32	929	5	4
Other livestock and livestock products (see text) ......farms, 1987	62	4	65	63	70	136	41	21
1982	62	4	67	58	72	139	48	19
$1,000, 1987	248	(D)	338	162	327	633	261	215
1982	167	(D)	585	132	139	992	(D)	196
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION								
Cash grains (011)	565	1	638	536	222	381	95	11
Field crops, except cash grains (013)	154	11	88	182	79	120	16	38
Cotton (0131)	-	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	154	11	88	182	79	120	16	38
Vegetables and melons (016)	11	2	12	17	108	22	32	9
Fruits and tree nuts (017)	23	3	7	11	475	30	23	6
Horticultural specialties (018)	16	-	14	3	30	40	70	3
General farms, primarily crop (019)	73	6	37	58	40	61	5	6
Livestock, except dairy, poultry, and animal specialties (021)	260	24	202	230	211	329	32	66
Beef cattle, except feedlots (0212)	108	19	53	77	54	62	14	42
Dairy farms (024)	390	2	110	99	33	89	1	18
Poultry and eggs (025)	7	-	8	19	15	12	7	1
Animal specialties (027)	33	3	38	45	55	125	49	19
General farms, primarily livestock and animal specialties (029)	27	-	6	7	10	13	4	1

[1] Data for 1982 exclude abnormal farms.
[2] Data for 1982 include market value of barley sold.

Table 3. **Farm Production Expenses: 1987 and 1982**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item		Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
Total farm production expenses	farms, 1987	51 175	229	63	1 634	424	248	332
	$1,000, 1987	2 211 823	2 744	1 529	103 807	9 067	9 821	14 115
Average per farm	dollars, 1987	43 221	11 983	24 265	63 529	21 383	39 602	42 514
Livestock and poultry purchased	farms, 1987	15 088	68	20	583	146	76	75
	1982	16 849	100	27	639	166	113	96
	$1,000, 1987	190 386	543	123	11 437	679	667	710
	1982	170 034	861	70	11 416	408	1 132	566
Feed for livestock and poultry	farms, 1987	23 220	131	40	799	227	128	123
	1982	27 182	195	51	940	240	140	145
	$1,000, 1987	273 192	364	323	20 798	1 041	1 290	1 197
	1982	254 964	631	366	20 154	1 315	1 159	1 041
Commercially mixed formula feeds	farms, 1987	11 999	43	29	467	122	53	87
	1982	14 434	68	35	529	91	78	81
	$1,000, 1987	153 493	243	289	13 535	486	886	689
	1982	153 703	467	290	14 282	761	915	677
Seeds, bulbs, plants, and trees	farms, 1987	35 507	65	23	1 086	241	172	245
	1982	41 846	93	32	1 323	274	147	275
	$1,000, 1987	111 895	56	25	2 908	459	370	729
	1982	105 161	79	29	3 187	313	331	711
Commercial fertilizer[1]	farms, 1987	37 298	75	32	1 125	273	164	277
	1982	43 009	127	40	1 406	325	145	279
	$1,000, 1987	194 526	120	45	5 487	684	791	1 765
	1982	242 091	254	51	7 788	626	928	2 038
Agricultural chemicals[1]	farms, 1987	35 505	53	30	1 137	204	170	229
	1982	37 506	58	28	1 291	173	153	242
	$1,000, 1987	119 993	27	19	4 259	359	724	829
	1982	114 159	26	15	3 542	165	599	939
Petroleum products	farms, 1987	48 558	202	59	1 529	408	241	312
	1982	58 375	295	76	1 824	437	279	377
	$1,000, 1987	120 621	198	74	4 315	624	450	910
	1982	181 320	357	115	6 589	782	727	1 211
Gasoline and gasohol	farms, 1987	41 658	175	56	1 310	291	231	275
	1982	53 792	294	72	1 690	379	257	339
	$1,000, 1987	42 655	103	38	1 361	217	196	361
	1982	70 711	199	63	2 324	316	318	451
Diesel fuel	farms, 1987	29 904	106	28	1 002	299	172	225
	1982	32 771	116	30	991	280	166	267
	$1,000, 1987	50 970	67	27	1 544	296	199	431
	1982	70 978	127	33	2 063	365	332	597
Natural gas	farms, 1987	1 941	4	1	103	28	18	8
	1982	1 819	1	2	149	6	-	2
	$1,000, 1987	9 571	1	(D)	774	16	4	8
	1982	10 346	(D)	(D)	805	1	-	(D)
LP gas, fuel oil, kerosene, motor oil, grease, etc.	farms, 1987	35 310	141	38	1 177	293	178	243
	1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 1987	17 425	27	(D)	636	94	51	111
	1982	29 285	(D)	(D)	1 397	99	77	(D)
Electricity	farms, 1987	38 590	167	48	1 293	308	219	283
	1982	42 594	182	62	1 359	347	215	278
	$1,000, 1987	47 789	89	57	2 618	248	203	325
	1982	45 697	88	63	2 261	256	296	281
Hired farm labor	farms, 1987	18 134	74	22	652	152	102	138
	1982	21 564	110	37	768	183	113	109
	$1,000, 1987	242 445	138	263	15 971	825	1 183	1 168
	1982	186 312	273	117	10 272	663	1 028	824
Contract labor	farms, 1987	4 652	7	4	153	42	35	29
	1982	2 510	-	2	87	-	26	38
	$1,000, 1987	27 733	2	3	988	183	137	218
	1982	14 445	-	(D)	795	-	159	132
Repair and maintenance	farms, 1987	43 440	164	51	1 331	368	228	283
	$1,000, 1987	152 652	265	93	5 548	928	835	1 004
Customwork, machine hire, and rental of machinery and equipment[2]	farms, 1987	17 732	78	19	605	121	65	101
	1982	20 674	75	15	663	181	91	109
	$1,000, 1987	34 043	55	10	1 184	109	166	253
	1982	30 403	27	9	1 154	114	143	163
Interest paid[3]	farms, 1987	25 197	61	23	777	145	149	169
	1982	27 193	72	27	903	188	142	134
	$1,000, 1987	197 966	190	121	7 958	875	909	1 538
	1982	273 637	576	111	10 363	916	1 188	1 799
Interest paid on debt: Secured by real estate	farms, 1987	19 208	36	17	648	108	118	113
	$1,000, 1987	143 627	120	106	6 089	665	741	1 098
Not secured by real estate	farms, 1987	13 182	32	11	395	78	82	107
	$1,000, 1987	54 339	70	14	1 868	210	168	440
Cash rent	farms, 1987	15 070	33	16	398	130	78	99
	$1,000, 1987	101 910	69	17	2 677	357	187	848
Property taxes paid	farms, 1987	48 191	229	62	1 579	384	246	307
	$1,000, 1987	157 280	273	97	5 098	797	678	1 061
All other farm production expenses	farms, 1987	46 587	195	59	1 502	384	232	309
	$1,000, 1987	239 391	356	258	12 561	899	1 232	1 560

See footnotes at end of table.

Table 3. **Farm Production Expenses: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item		Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
Total farm production expenses	farms, 1987	57	908	922	149	1 479	1 035	1 166
	$1,000, 1987	652	26 967	39 867	3 560	55 532	40 458	40 427
Average per farm	dollars, 1987	11 446	29 699	43 240	23 890	37 547	39 089	34 671
Livestock and poultry purchased	farms, 1987	22	261	128	29	278	301	372
	1982	25	380	114	34	273	355	369
	$1,000, 1987	70	2 163	387	241	1 818	5 300	4 122
	1982	81	1 842	224	202	1 808	6 297	4 154
Feed for livestock and poultry	farms, 1987	41	472	136	52	347	502	604
	1982	52	625	219	64	431	566	637
	$1,000, 1987	140	4 545	525	149	2 217	4 859	5 383
	1982	140	4 881	525	245	2 984	4 613	5 547
Commercially mixed formula feeds	farms, 1987	20	253	50	14	178	226	322
	1982	26	308	96	22	217	327	295
	$1,000, 1987	81	2 616	195	58	1 189	1 379	2 868
	1982	63	2 757	210	79	1 867	1 800	3 869
Seeds, bulbs, plants, and trees	farms, 1987	28	587	831	68	905	906	692
	1982	35	724	897	74	1 099	988	994
	$1,000, 1987	11	1 104	3 249	62	2 869	2 153	1 869
	1982	16	1 254	2 997	64	2 432	2 025	2 490
Commercial fertilizer[1]	farms, 1987	27	533	860	97	1 175	860	867
	1982	35	673	933	135	1 406	888	928
	$1,000, 1987	30	2 319	6 628	197	4 016	3 850	3 043
	1982	30	3 177	8 247	250	4 515	5 212	6 004
Agricultural chemicals[1]	farms, 1987	9	523	822	98	1 222	839	880
	1982	17	509	818	138	1 383	830	859
	$1,000, 1987	3	949	3 055	610	5 966	1 952	1 900
	1982	6	1 339	2 917	399	5 453	2 246	2 648
Petroleum products	farms, 1987	55	850	896	132	1 421	993	1 136
	1982	74	1 061	1 072	182	1 739	1 157	1 266
	$1,000, 1987	58	1 511	2 810	236	3 045	2 259	2 371
	1982	70	2 924	4 049	285	4 474	3 600	4 471
Gasoline and gasohol	farms, 1987	46	694	772	113	1 299	821	991
	1982	68	986	962	164	1 686	1 027	1 188
	$1,000, 1987	36	513	1 034	124	1 477	746	880
	1982	41	1 247	1 715	152	2 335	1 296	1 429
Diesel fuel	farms, 1987	30	521	596	83	803	619	621
	1982	42	551	696	80	784	636	722
	$1,000, 1987	14	686	1 267	86	1 025	1 025	913
	1982	(D)	1 094	1 734	96	1 356	1 322	1 767
Natural gas	farms, 1987	2	20	60	6	44	33	27
	1982	-	7	34	3	28	37	33
	$1,000, 1987	(D)	32	174	3	81	29	166
	1982	-	22	141	1	99	69	404
LP gas, fuel oil, kerosene, motor oil, grease, etc.	farms, 1987	42	586	692	96	1 095	725	798
	1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 1987	(D)	281	334	23	462	459	412
	1982	(D)	560	459	35	684	912	871
Electricity	farms, 1987	44	684	660	109	1 211	743	768
	1982	58	768	720	100	1 283	849	924
	$1,000, 1987	33	678	551	77	1 062	843	837
	1982	26	757	537	59	960	765	1 006
Hired farm labor	farms, 1987	18	270	333	62	713	221	414
	1982	29	370	441	75	902	344	452
	$1,000, 1987	42	2 030	2 778	632	12 181	3 198	3 565
	1982	75	1 862	2 544	504	12 259	1 945	3 811
Contract labor	farms, 1987	4	21	148	17	319	89	78
	1982	2	17	57	26	225	33	15
	$1,000, 1987	1	145	971	102	927	524	296
	1982	(D)	(D)	376	172	1 085	55	56
Repair and maintenance	farms, 1987	48	760	820	123	1 380	825	961
	$1,000, 1987	57	1 939	3 386	263	4 212	2 590	2 693
Customwork, machine hire, and rental of machinery and equipment[2]	farms, 1987	13	343	390	42	607	343	433
	1982	13	358	235	53	805	453	519
	$1,000, 1987	15	429	855	61	1 599	588	548
	1982	7	384	476	65	1 679	630	610
Interest paid[3]	farms, 1987	24	392	445	57	638	600	581
	1982	30	453	601	66	672	589	620
	$1,000, 1987	37	2 788	3 853	253	3 441	3 812	3 599
	1982	60	3 968	5 561	325	4 700	6 261	5 904
Interest paid on debt:								
Secured by real estate	farms, 1987	18	334	356	42	473	457	468
	$1,000, 1987	30	1 987	3 186	175	2 300	2 810	2 665
Not secured by real estate	farms, 1987	8	186	234	30	308	354	305
	$1,000, 1987	7	801	667	78	1 141	1 003	934
Cash rent	farms, 1987	15	215	392	33	378	312	296
	$1,000, 1987	11	1 249	4 129	38	2 639	1 822	1 593
Property taxes paid	farms, 1987	54	890	849	143	1 393	944	1 115
	$1,000, 1987	64	2 093	3 465	273	3 711	3 327	3 480
All other farm production expenses	farms, 1987	50	802	850	134	1 341	936	1 055
	$1,000, 1987	81	2 976	3 224	365	5 829	3 380	4 527

See footnotes at end of table.

Table 3. **Farm Production Expenses: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item		Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
Total farm production expenses	farms, 1987	839	232	172	338	298	1 333	20
	$1,000, 1987	49 227	3 184	3 815	5 856	8 561	53 511	(D)
Average per farm	dollars, 1987	58 673	13 724	22 179	17 324	28 727	40 143	(D)
Livestock and poultry purchased	farms, 1987	272	106	42	106	109	383	4
	1982	319	91	77	132	129	418	6
	$1,000, 1987	3 823	261	172	483	1 004	2 725	(D)
	1982	2 352	346	323	453	1 003	2 713	7
Feed for livestock and poultry	farms, 1987	466	146	96	210	191	493	12
	1982	548	153	137	234	172	726	13
	$1,000, 1987	11 223	425	757	1 496	1 739	8 035	(D)
	1982	11 943	631	693	1 586	1 250	6 001	9
Commercially mixed formula feeds	farms, 1987	197	67	42	101	110	305	4
	1982	212	69	67	114	109	347	8
	$1,000, 1987	3 595	248	547	1 054	858	2 909	3
	1982	4 099	346	490	1 017	715	3 021	3
Seeds, bulbs, plants, and trees	farms, 1987	630	112	77	125	144	1 048	8
	1982	803	148	113	190	207	1 182	7
	$1,000, 1987	1 925	100	88	62	187	2 761	(D)
	1982	1 761	146	71	93	276	2 526	(D)
Commercial fertilizer[1]	farms, 1987	605	135	97	168	172	1 046	8
	1982	789	153	121	231	178	1 191	11
	$1,000, 1987	3 402	212	270	149	437	5 067	4
	1982	4 208	418	200	369	728	6 132	5
Agricultural chemicals[1]	farms, 1987	608	82	75	66	113	1 070	6
	1982	707	98	41	28	141	1 116	5
	$1,000, 1987	2 267	137	55	123	135	2 788	1
	1982	2 116	165	26	25	192	2 802	1
Petroleum products	farms, 1987	783	220	163	299	280	1 299	18
	1982	1 022	256	197	371	317	1 508	18
	$1,000, 1987	2 286	213	243	290	407	2 909	(D)
	1982	3 191	418	336	715	686	4 497	6
Gasoline and gasohol	farms, 1987	668	195	116	270	220	1 112	12
	1982	694	215	191	339	308	1 431	16
	$1,000, 1987	774	98	78	132	162	1 053	4
	1982	1 122	211	137	336	282	1 799	(D)
Diesel fuel	farms, 1987	545	121	109	183	160	844	9
	1982	550	134	88	233	149	896	6
	$1,000, 1987	989	92	124	127	177	1 371	1
	1982	1 239	148	113	286	263	1 888	1
Natural gas	farms, 1987	51	8	5	-	2	24	-
	1982	8	8	7	8	12	40	-
	$1,000, 1987	105	1	4	-	(D)	52	-
	1982	52	3	(D)	13	18	84	-
LP gas, fuel oil, kerosene, motor oil, grease, etc.	farms, 1987	579	150	114	234	183	998	9
	1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 1987	417	22	36	32	(D)	432	(Z)
	1982	778	57	(D)	80	123	726	(D)
Electricity	farms, 1987	649	165	135	248	248	1 099	11
	1982	778	185	157	304	246	1 153	12
	$1,000, 1987	907	101	113	164	237	1 378	(D)
	1982	649	139	85	184	248	1 148	(D)
Hired farm labor	farms, 1987	259	69	47	137	102	559	3
	1982	367	90	64	143	93	604	4
	$1,000, 1987	4 767	216	395	336	424	4 565	(D)
	1982	2 551	249	322	601	564	2 904	2
Contract labor	farms, 1987	84	19	11	4	20	95	-
	1982	22	11	6	13	8	94	1
	$1,000, 1987	300	54	27	11	36	312	-
	1982	307	9	15	12	11	357	(D)
Repair and maintenance	farms, 1987	733	202	141	285	236	1 133	15
	$1,000, 1987	2 971	219	314	503	765	3 954	6
Customwork, machine hire, and rental of machinery and equipment[2]	farms, 1987	381	23	46	103	76	625	3
	1982	495	56	26	83	126	783	1
	$1,000, 1987	881	42	50	67	24	773	(Z)
	1982	740	76	7	37	85	1 200	(D)
Interest paid[3]	farms, 1987	437	86	82	180	187	704	4
	1982	451	102	51	180	166	790	8
	$1,000, 1987	4 051	422	429	646	795	5 529	9
	1982	5 895	713	384	824	1 262	6 721	7
Interest paid on debt: Secured by real estate	farms, 1987	291	80	59	92	171	546	3
	$1,000, 1987	2 763	339	364	422	596	4 081	(D)
Not secured by real estate	farms, 1987	253	35	39	118	70	351	3
	$1,000, 1987	1 289	82	64	223	138	1 448	(D)
Cash rent	farms, 1987	249	53	44	91	58	368	4
	$1,000, 1987	2 099	49	119	101	216	2 152	5
Property taxes paid	farms, 1987	784	225	170	322	282	1 275	20
	$1,000, 1987	2 960	447	347	501	694	4 612	(D)
All other farm production expenses	farms, 1987	753	219	143	287	275	1 225	18
	$1,000, 1987	5 363	288	426	925	1 462	5 950	(D)

See footnotes at end of table.

Table 3. **Farm Production Expenses: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item		Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
Total farm production expenses	farms, 1987	271	109	1 220	211	850	412	58
	$1,000, 1987	7 527	3 438	36 121	3 625	28 444	6 385	773
Average per farm	dollars, 1987	27 774	31 543	29 607	17 181	33 463	15 497	13 334
Livestock and poultry purchased	farms, 1987	94	42	375	69	204	180	19
	1982	97	46	278	73	199	157	31
	$1,000, 1987	225	59	2 475	233	4 700	489	16
	1982	196	123	1 864	99	4 019	713	95
Feed for livestock and poultry	farms, 1987	188	74	570	106	357	250	33
	1982	214	84	515	176	301	237	64
	$1,000, 1987	1 724	559	3 787	477	1 993	1 004	222
	1982	1 287	545	2 785	445	2 084	963	336
Commercially mixed formula feeds	farms, 1987	98	39	256	59	161	130	12
	1982	126	57	294	58	126	45	24
	$1,000, 1987	1 029	230	1 318	296	686	410	34
	1982	522	290	1 585	241	1 213	430	116
Seeds, bulbs, plants, and trees	farms, 1987	144	55	877	146	584	280	22
	1982	180	62	1 038	124	687	307	39
	$1,000, 1987	235	116	2 556	101	1 609	267	25
	1982	217	131	2 528	111	1 687	315	10
Commercial fertilizer[1]	farms, 1987	188	61	941	145	553	298	19
	1982	191	71	1 063	126	752	292	32
	$1,000, 1987	528	280	3 992	278	2 949	601	11
	1982	469	309	5 472	254	4 040	853	(D)
Agricultural chemicals[1]	farms, 1987	153	50	887	90	514	193	16
	1982	122	50	840	106	661	218	12
	$1,000, 1987	262	143	2 281	84	1 856	246	3
	1982	171	152	2 074	90	1 681	224	3
Petroleum products	farms, 1987	263	98	1 186	194	756	401	51
	1982	315	123	1 372	253	990	433	82
	$1,000, 1987	561	223	2 281	248	1 534	429	40
	1982	592	327	3 890	338	2 971	827	64
Gasoline and gasohol	farms, 1987	223	82	1 083	160	660	339	43
	1982	289	121	1 270	222	905	426	82
	$1,000, 1987	274	72	930	93	507	185	18
	1982	291	158	1 589	141	1 143	412	42
Diesel fuel	farms, 1987	152	56	658	152	413	206	18
	1982	172	61	717	148	556	229	20
	$1,000, 1987	237	113	966	127	715	186	(D)
	1982	210	134	1 577	144	1 161	300	(D)
Natural gas	farms, 1987	9	6	15	1	34	9	1
	1982	6	2	33	7	36	8	-
	$1,000, 1987	4	(D)	78	(D)	75	9	(D)
	1982	2	(D)	142	4	102	2	-
LP gas, fuel oil, kerosene, motor oil, grease, etc.	farms, 1987	193	71	845	106	580	271	31
	1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 1987	46	(D)	307	(D)	236	49	7
	1982	88	(D)	582	48	566	113	(D)
Electricity	farms, 1987	227	89	890	139	596	296	41
	1982	261	95	882	188	597	301	70
	$1,000, 1987	247	102	648	111	533	132	16
	1982	231	71	654	129	528	156	21
Hired farm labor	farms, 1987	112	61	362	49	225	114	14
	1982	133	64	425	82	330	129	23
	$1,000, 1987	627	542	2 527	314	2 160	286	110
	1982	442	420	1 708	224	1 989	398	77
Contract labor	farms, 1987	22	11	68	8	51	33	6
	1982	2	6	39	2	27	3	2
	$1,000, 1987	72	29	92	(D)	112	36	(D)
	1982	(D)	15	49	(D)	112	12	(D)
Repair and maintenance	farms, 1987	251	88	1 036	176	735	349	43
	$1,000, 1987	760	406	3 236	406	1 922	525	46
Customwork, machine hire, and rental of machinery and equipment[2]	farms, 1987	69	24	451	55	200	150	11
	1982	58	27	562	58	248	153	23
	$1,000, 1987	112	22	537	(D)	352	102	(D)
	1982	71	34	527	94	205	152	5
Interest paid[3]	farms, 1987	105	54	541	110	346	134	20
	1982	100	63	653	74	410	133	27
	$1,000, 1987	503	164	3 405	354	2 273	624	57
	1982	630	259	5 582	355	4 395	1 005	82
Interest paid on debt:								
Secured by real estate	farms, 1987	54	32	435	73	256	98	19
	$1,000, 1987	288	120	2 604	245	1 480	507	46
Not secured by real estate	farms, 1987	65	25	286	65	163	59	9
	$1,000, 1987	216	44	801	109	794	116	11
Cash rent	farms, 1987	80	30	281	44	276	97	5
	$1,000, 1987	103	38	1 521	95	1 475	181	(D)
Property taxes paid	farms, 1987	259	105	1 150	207	778	411	57
	$1,000, 1987	506	284	3 629	411	2 478	845	70
All other farm production expenses	farms, 1987	237	96	1 096	136	789	387	45
	$1,000, 1987	1 063	472	3 154	475	2 498	617	116

See footnotes at end of table.

Table 3. **Farm Production Expenses: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item		Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
Total farm production expenses	farms, 1987	446	1 011	1 142	146	1 390	960	1 089	216
	$1,000, 1987	12 872	55 421	49 112	1 809	129 370	44 166	61 561	6 238
Average per farm	dollars, 1987	28 861	54 818	43 006	12 391	93 072	46 007	56 530	28 881
Livestock and poultry purchased	farms, 1987	86	198	437	49	507	274	365	95
	1982	104	280	406	78	468	349	439	74
	$1,000, 1987	655	6 070	6 999	62	27 475	2 940	5 963	(D)
	1982	998	5 084	5 609	161	20 637	2 133	3 407	995
Feed for livestock and poultry	farms, 1987	152	320	558	82	643	474	602	139
	1982	149	401	701	113	799	567	662	123
	$1,000, 1987	488	4 750	6 461	331	18 504	5 364	12 585	987
	1982	523	4 322	6 681	435	18 999	3 953	7 659	664
Commercially mixed formula feeds	farms, 1987	67	200	257	40	348	228	270	57
	1982	80	274	356	68	557	320	369	27
	$1,000, 1987	214	2 413	3 011	211	10 281	2 042	9 984	244
	1982	201	2 709	2 926	244	14 074	1 969	5 318	203
Seeds, bulbs, plants, and trees	farms, 1987	180	882	921	84	1 213	722	798	130
	1982	245	1 006	1 106	92	1 413	781	914	156
	$1,000, 1987	284	3 414	2 169	63	6 027	1 991	2 545	133
	1982	492	3 312	2 375	77	5 416	2 207	2 282	259
Commercial fertilizer[1]	farms, 1987	271	890	857	93	1 243	721	841	119
	1982	362	1 028	1 023	123	1 458	758	902	184
	$1,000, 1987	856	7 541	4 893	118	14 206	4 238	5 106	310
	1982	948	7 826	6 087	148	16 646	5 479	5 943	681
Agricultural chemicals[1]	farms, 1987	307	893	830	55	1 224	720	737	99
	1982	317	897	979	57	1 257	729	870	125
	$1,000, 1987	1 508	3 164	2 541	36	5 320	2 087	2 643	85
	1982	1 166	3 434	2 479	28	5 252	2 469	2 267	187
Petroleum products	farms, 1987	422	989	1 098	134	1 359	898	1 029	209
	1982	455	1 208	1 334	195	1 655	1 105	1 173	244
	$1,000, 1987	764	3 305	2 399	147	5 890	2 485	2 642	279
	1982	988	5 259	4 014	215	8 584	3 584	4 042	593
Gasoline and gasohol	farms, 1987	353	843	874	122	1 226	776	859	177
	1982	431	1 125	1 177	190	1 592	1 013	1 074	226
	$1,000, 1987	367	1 118	788	69	2 229	940	931	121
	1982	524	1 911	1 372	109	3 705	1 185	1 423	258
Diesel fuel	farms, 1987	238	733	639	62	1 018	571	662	121
	1982	231	825	829	90	1 242	545	803	130
	$1,000, 1987	262	1 680	1 128	45	2 706	1 051	1 273	113
	1982	304	2 473	1 785	70	3 650	1 439	1 812	211
Natural gas	farms, 1987	18	40	12	8	58	28	22	3
	1982	4	43	26	6	24	17	54	11
	$1,000, 1987	29	73	11	12	139	147	35	8
	1982	20	130	16	(D)	52	161	45	(D)
LP gas, fuel oil, kerosene, motor oil, grease, etc.	farms, 1987	305	797	758	100	1 221	659	779	135
	1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 1987	107	433	472	20	816	346	403	38
	1982	141	745	840	(D)	1 178	799	763	(D)
Electricity	farms, 1987	322	723	880	91	1 116	730	848	166
	1982	325	980	984	163	1 324	789	889	136
	$1,000, 1987	271	870	960	49	2 018	1 101	1 485	140
	1982	237	976	905	100	2 125	963	1 215	108
Hired farm labor	farms, 1987	199	393	367	47	593	342	406	49
	1982	204	391	461	75	679	371	470	84
	$1,000, 1987	2 249	4 109	3 132	160	7 253	4 422	6 217	290
	1982	1 607	2 225	2 119	142	5 402	3 254	3 905	618
Contract labor	farms, 1987	111	59	70	9	136	107	36	22
	1982	22	27	42	5	56	62	29	–
	$1,000, 1987	533	435	159	7	591	354	246	8
	1982	162	314	127	3	354	193	210	–
Repair and maintenance	farms, 1987	371	907	979	125	1 253	812	947	158
	$1,000, 1987	966	3 783	3 331	182	6 716	3 042	4 330	363
Customwork, machine hire, and rental of machinery and equipment[2]	farms, 1987	137	420	445	42	596	400	361	35
	1982	138	409	591	38	674	453	750	41
	$1,000, 1987	173	773	920	33	1 570	549	741	(D)
	1982	202	690	1 117	12	1 403	584	614	37
Interest paid[3]	farms, 1987	245	634	630	47	873	531	592	59
	1982	190	715	692	51	937	565	588	106
	$1,000, 1987	1 251	6 327	4 766	132	12 104	4 486	5 377	562
	1982	2 024	9 102	5 822	281	15 807	7 340	5 986	983
Interest paid on debt: Secured by real estate	farms, 1987	170	520	523	41	621	387	479	45
	$1,000, 1987	1 042	4 467	3 356	103	8 166	3 388	4 074	311
Not secured by real estate	farms, 1987	108	331	308	25	443	304	336	34
	$1,000, 1987	208	1 860	1 410	28	3 939	1 098	1 303	251
Cash rent	farms, 1987	77	350	317	32	613	268	282	50
	$1,000, 1987	410	2 452	3 311	26	6 353	2 207	1 986	96
Property taxes paid	farms, 1987	410	929	1 106	142	1 231	922	1 033	216
	$1,000, 1987	1 185	3 884	3 007	170	6 592	4 452	3 325	448
All other farm production expenses	farms, 1987	410	917	1 068	123	1 341	902	1 021	184
	$1,000, 1987	1 278	4 546	4 064	273	8 751	4 450	8 368	482

See footnotes at end of table.

Table 3. **Farm Production Expenses: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
Total farm production expenses .... farms, 1987	95	912	1 103	842	89	1 369	2	111
$1,000, 1987	1 708	34 486	43 946	50 477	2 104	66 289	(D)	1 365
Average per farm .... dollars, 1987	17 975	37 813	39 842	59 949	23 639	48 421	(D)	12 294
Livestock and poultry purchased .... farms, 1987	25	321	389	207	26	385	-	45
1982	32	254	381	295	31	450	-	50
$1,000, 1987	55	3 335	6 057	3 761	55	3 129	-	109
1982	67	4 116	4 982	3 681	39	3 237	-	41
Feed for livestock and poultry .... farms, 1987	59	459	568	384	45	674	1	76
1982	65	515	611	450	54	685	4	69
$1,000, 1987	210	5 899	6 749	7 993	215	5 121	(D)	229
1982	161	4 074	3 715	5 037	286	5 927	3	240
Commercially mixed formula feeds .... farms, 1987	26	256	274	174	23	316	-	29
1982	20	224	324	251	27	429	3	23
$1,000, 1987	115	3 419	2 269	5 601	92	2 553	-	44
1982	77	2 207	2 157	3 440	105	3 626	1	112
Seeds, bulbs, plants, and trees .... farms, 1987	39	623	718	512	57	836	1	61
1982	52	809	955	615	64	1 004	1	59
$1,000, 1987	59	1 486	1 390	2 270	165	3 460	(D)	25
1982	100	1 624	1 949	1 972	117	3 444	(D)	38
Commercial fertilizer[1] .... farms, 1987	49	655	710	523	70	969	-	58
1982	48	792	925	609	61	1 097	1	58
$1,000, 1987	136	3 538	2 906	2 808	245	3 911	-	54
1982	146	3 987	5 252	4 111	285	4 501	(D)	79
Agricultural chemicals[1] .... farms, 1987	23	607	688	539	48	927	1	41
1982	25	700	762	575	43	972	-	39
$1,000, 1987	57	1 389	1 588	1 997	158	4 787	(D)	19
1982	79	1 850	2 159	1 658	82	3 856	-	26
Petroleum products .... farms, 1987	88	876	1 005	760	85	1 306	1	108
1982	98	1 011	1 242	981	91	1 511	3	118
$1,000, 1987	112	2 027	1 916	3 032	162	3 949	(D)	91
1982	207	2 936	3 418	3 814	247	5 159	(Z)	124
Gasoline and gasohol .... farms, 1987	80	750	834	634	63	1 065	1	102
1982	95	878	1 159	841	77	1 449	3	116
$1,000, 1987	65	778	688	764	48	1 150	(D)	47
1982	124	1 102	1 334	1 048	78	1 940	(D)	71
Diesel fuel .... farms, 1987	41	559	549	396	49	802	-	56
1982	38	609	671	463	51	791	-	37
$1,000, 1987	35	942	795	777	94	1 456	-	33
1982	62	1 304	1 442	1 082	125	1 608	-	36
Natural gas .... farms, 1987	1	56	44	55	1	68	-	3
1982	2	36	22	97	1	82	-	-
$1,000, 1987	(D)	51	135	1 184	(D)	925	-	1
1982	(D)	56	137	939	(D)	1 034	-	-
LP gas, fuel oil, kerosene, motor oil, grease, etc. .... farms, 1987	59	595	671	501	56	862	-	69
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 1987	(D)	256	297	306	(D)	418	-	11
1982	(D)	475	504	745	(D)	577	(D)	17
Electricity .... farms, 1987	68	640	769	537	62	1 030	1	85
1982	76	720	849	706	60	1 100	1	100
$1,000, 1987	36	808	951	1 285	69	1 560	(D)	45
1982	67	773	838	850	79	1 578	(D)	55
Hired farm labor .... farms, 1987	27	358	275	350	29	612	-	37
1982	39	329	338	401	20	721	-	45
$1,000, 1987	239	2 278	3 787	8 224	192	13 477	-	55
1982	278	1 884	2 777	4 626	229	10 072	-	54
Contract labor .... farms, 1987	3	29	94	73	8	123	-	9
1982	2	21	17	66	3	99	-	2
$1,000, 1987	(D)	165	289	489	5	968	-	1
1982	(D)	15	48	315	(D)	1 499	-	(D)
Repair and maintenance .... farms, 1987	81	758	880	670	78	1 149	-	88
$1,000, 1987	132	2 538	2 863	2 859	204	4 709	-	110
Customwork, machine hire, and rental of machinery and equipment[2] .... farms, 1987	15	298	351	331	23	435	-	20
1982	13	382	449	275	23	540	-	35
$1,000, 1987	(D)	541	521	1 073	24	781	-	4
1982	5	338	523	497	16	864	-	5
Interest paid[3] .... farms, 1987	42	505	526	381	50	648	-	48
1982	41	521	555	503	33	640	-	39
$1,000, 1987	137	3 424	4 117	3 619	166	4 906	-	128
1982	140	4 050	6 140	4 828	183	6 931	-	132
Interest paid on debt:								
Secured by real estate .... farms, 1987	28	357	403	293	38	490	-	36
$1,000, 1987	81	2 520	3 182	2 837	111	3 505	-	90
Not secured by real estate .... farms, 1987	22	293	244	194	24	325	-	26
$1,000, 1987	56	904	936	781	55	1 401	-	38
Cash rent .... farms, 1987	35	256	286	223	20	381	1	18
$1,000, 1987	30	1 189	1 595	1 823	45	2 090	(D)	31
Property taxes paid .... farms, 1987	92	862	1 051	770	88	1 271	1	108
$1,000, 1987	198	2 578	3 654	2 916	184	4 498	(D)	198
All other farm production expenses .... farms, 1987	85	833	980	716	84	1 284	1	95
$1,000, 1987	296	3 290	5 563	6 329	214	8 932	(D)	266

See footnotes at end of table.

Table 3. **Farm Production Expenses: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
Total farm production expenses farms, 1987	1 230	395	1 387	788	34	80	667	280
$1,000, 1987	50 094	15 202	71 542	26 027	811	2 064	23 629	7 178
Average per farm dollars, 1987	40 727	38 487	51 580	33 029	23 864	25 800	35 425	25 636
Livestock and poultry purchased farms, 1987	429	46	424	179	13	33	130	69
1982	502	99	456	321	9	35	159	81
$1,000, 1987	4 199	904	7 564	2 113	186	127	516	125
1982	4 407	1 074	5 936	3 256	176	85	1 726	293
Feed for livestock and poultry farms, 1987	707	76	547	363	22	47	194	106
1982	721	144	685	499	19	69	259	114
$1,000, 1987	4 114	238	5 432	2 352	80	552	788	129
1982	3 864	822	6 138	4 189	46	599	1 297	173
Commercially mixed formula feeds farms, 1987	381	41	273	143	8	26	103	36
1982	386	76	304	302	8	43	123	44
$1,000, 1987	1 913	140	2 776	1 361	14	312	334	43
1982	2 057	470	3 075	2 487	26	291	929	78
Seeds, bulbs, plants, and trees farms, 1987	741	195	1 190	419	16	36	501	152
1982	957	185	1 314	564	18	51	555	153
$1,000, 1987	2 701	332	4 042	1 234	35	23	1 725	213
1982	1 990	264	4 837	933	34	37	2 007	304
Commercial fertilizer[1] farms, 1987	795	316	1 110	426	18	46	524	201
1982	965	322	1 304	546	16	55	625	185
$1,000, 1987	4 303	1 043	8 308	2 258	35	80	1 721	452
1982	5 045	1 103	11 852	2 636	34	98	2 093	564
Agricultural chemicals[1] farms, 1987	648	355	1 130	449	14	27	509	165
1982	801	336	1 199	432	11	21	599	185
$1,000, 1987	2 573	2 388	4 814	1 071	20	(D)	1 343	753
1982	2 052	1 671	5 159	863	9	13	1 206	1 001
Petroleum products farms, 1987	1 148	354	1 351	708	32	78	647	254
1982	1 361	429	1 618	884	30	96	819	304
$1,000, 1987	2 821	868	3 659	1 553	80	118	2 300	388
1982	3 837	1 292	5 955	2 251	62	180	2 922	603
Gasoline and gasohol farms, 1987	944	276	1 139	608	29	63	570	200
1982	1 276	404	1 478	800	28	79	731	294
$1,000, 1987	959	403	1 124	454	39	51	541	204
1982	1 428	697	2 140	904	30	88	889	327
Diesel fuel farms, 1987	618	270	951	380	18	54	384	161
1982	645	275	1 037	412	21	68	437	122
$1,000, 1987	1 186	302	1 945	645	36	55	600	148
1982	1 504	474	2 659	898	27	72	738	177
Natural gas farms, 1987	26	17	52	26	1	-	65	-
1982	68	5	47	3	2	2	64	-
$1,000, 1987	271	84	70	105	(D)	-	595	-
1982	342	4	105	30	(D)	(D)	924	-
LP gas, fuel oil, kerosene, motor oil, grease, etc. farms, 1987	761	305	1 059	442	22	65	451	189
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 1987	405	80	519	349	(D)	13	565	37
1982	563	117	1 050	420	(D)	(D)	370	100
Electricity farms, 1987	926	328	972	555	29	64	497	191
1982	943	360	1 220	611	20	78	555	239
$1,000, 1987	1 428	266	1 077	752	23	72	612	197
1982	1 098	354	1 163	665	23	66	568	230
Hired farm labor farms, 1987	386	234	387	275	15	37	184	124
1982	417	214	538	278	9	31	317	138
$1,000, 1987	5 858	2 566	4 199	2 883	40	207	4 086	1 566
1982	5 060	2 849	3 831	2 825	15	158	3 703	1 575
Contract labor farms, 1987	73	96	95	85	7	2	61	50
1982	58	58	40	18	1	2	32	36
$1,000, 1987	314	646	684	117	(D)	(D)	360	932
1982	163	186	359	141	(D)	(D)	104	289
Repair and maintenance farms, 1987	981	342	1 185	656	29	58	600	221
$1,000, 1987	3 726	1 236	4 931	2 228	52	159	1 884	442
Customwork, machine hire, and rental of machinery and equipment[2] farms, 1987	339	151	504	195	10	20	158	94
1982	514	145	550	237	10	25	219	114
$1,000, 1987	824	309	1 482	301	(D)	30	197	73
1982	535	536	1 271	419	3	30	322	188
Interest paid[3] farms, 1987	508	246	820	338	20	38	235	102
1982	581	227	880	375	18	43	291	95
$1,000, 1987	4 428	1 604	7 016	2 480	82	190	1 262	538
1982	5 373	1 984	11 775	3 500	130	280	1 904	690
Interest paid on debt:								
Secured by real estate farms, 1987	395	194	614	251	17	26	175	86
$1,000, 1987	2 987	1 244	5 102	1 559	40	126	974	457
Not secured by real estate farms, 1987	253	95	436	180	8	26	111	33
$1,000, 1987	1 441	360	1 914	921	41	65	289	82
Cash rent farms, 1987	322	62	595	188	14	29	267	43
$1,000, 1987	2 436	263	7 177	1 447	11	27	972	157
Property taxes paid farms, 1987	1 177	384	1 226	736	34	75	594	273
$1,000, 1987	3 902	1 030	5 448	2 262	51	114	2 217	484
All other farm production expenses farms, 1987	1 125	350	1 265	708	31	71	615	228
$1,000, 1987	6 489	1 508	5 709	2 976	76	352	3 646	729

See footnotes at end of table.

Table 3. **Farm Production Expenses: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
Total farm production expenses .... farms, 1987..	101	426	639	374	459	305	1 258	979
$1,000, 1987..	1 385	13 031	14 687	13 101	13 189	16 980	54 940	42 916
Average per farm .... dollars, 1987..	13 715	30 590	22 984	35 030	28 735	55 671	43 673	43 836
Livestock and poultry purchased .... farms, 1987..	31	100	122	101	142	111	269	242
1982..	38	141	216	143	184	145	338	382
$1,000, 1987..	50	854	888	659	2 063	1 290	5 010	1 585
1982..	25	1 295	2 810	593	3 164	1 375	3 805	1 035
Feed for livestock and poultry .... farms, 1987..	65	169	382	250	199	185	318	402
1982..	71	219	392	355	264	250	436	546
$1,000, 1987..	188	1 286	2 277	2 932	872	4 138	2 506	3 105
1982..	172	1 357	2 552	3 529	1 622	4 141	3 446	3 021
Commercially mixed formula feeds .... farms, 1987..	24	116	219	148	115	132	125	246
1982..	34	102	189	252	142	200	226	272
$1,000, 1987..	81	643	1 116	1 888	209	2 267	779	1 565
1982..	128	640	1 101	2 268	333	2 403	1 674	1 389
Seeds, bulbs, plants, and trees .... farms, 1987..	30	286	414	230	349	210	975	779
1982..	32	294	469	272	363	264	1 225	603
$1,000, 1987..	31	535	577	376	809	426	3 475	3 646
1982..	45	521	782	430	859	457	4 031	3 586
Commercial fertilizer[1] .... farms, 1987..	29	322	397	276	319	222	1 002	778
1982..	49	311	425	325	376	259	1 128	869
$1,000, 1987..	84	1 014	1 030	924	1 706	1 052	5 711	4 453
1982..	87	1 197	1 369	1 098	2 189	1 357	7 315	5 521
Agricultural chemicals[1] .... farms, 1987..	28	298	369	193	314	207	1 048	773
1982..	27	300	289	226	303	225	996	709
$1,000, 1987..	52	1 233	499	227	715	332	3 962	3 012
1982..	35	944	614	249	976	300	3 521	2 895
Petroleum products .... farms, 1987..	90	394	619	343	408	263	1 215	957
1982..	125	492	676	458	502	322	1 452	1 124
$1,000, 1987..	135	700	868	678	791	760	3 266	2 450
1982..	181	1 097	1 508	1 184	1 347	1 089	5 089	3 946
Gasoline and gasohol .... farms, 1987..	81	327	518	282	359	206	1 050	824
1982..	119	421	641	437	442	295	1 323	1 054
$1,000, 1987..	83	274	382	250	352	277	1 043	816
1982..	85	481	637	490	608	459	1 781	1 603
Diesel fuel .... farms, 1987..	43	241	352	277	234	173	692	523
1982..	55	257	359	270	297	179	827	543
$1,000, 1987..	38	311	336	345	325	390	1 447	1 244
1982..	56	435	646	531	545	494	2 071	1 738
Natural gas .... farms, 1987..	-	7	20	10	9	16	72	31
1982..	-	-	3	18	5	5	45	20
$1,000, 1987..	-	9	31	6	7	17	336	60
1982..	-	-	4	12	8	7	458	59
LP gas, fuel oil, kerosene, motor oil, grease, etc. .... farms, 1987..	62	294	434	289	235	181	901	645
1982..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 1987..	15	106	118	77	107	76	440	329
1982..	40	180	219	150	185	129	779	546
Electricity .... farms, 1987..	66	311	485	316	300	262	885	674
1982..	70	386	506	393	356	300	919	843
$1,000, 1987..	57	273	432	463	191	581	778	1 130
1982..	51	462	548	397	222	601	706	1 258
Hired farm labor .... farms, 1987..	22	153	195	189	139	143	291	356
1982..	33	216	209	174	188	161	392	385
$1,000, 1987..	120	1 671	1 011	1 128	662	1 528	6 411	5 036
1982..	126	1 546	1 096	1 209	516	1 263	4 119	3 492
Contract labor .... farms, 1987..	-	61	26	30	38	29	62	57
1982..	-	24	21	2	20	15	49	37
$1,000, 1987..	-	324	87	50	76	249	484	191
1982..	-	216	48	(D)	22	36	204	575
Repair and maintenance .... farms, 1987..	69	340	544	324	362	244	1 118	843
$1,000, 1987..	153	883	1 418	1 084	934	1 154	3 867	3 471
Customwork, machine hire, and rental of machinery and equipment[2] .... farms, 1987..	18	125	206	144	144	100	426	324
1982..	10	172	213	170	183	144	513	468
$1,000, 1987..	8	170	159	160	228	219	783	1 096
1982..	28	228	256	90	284	213	667	963
Interest paid[3] .... farms, 1987..	47	198	349	152	244	178	603	553
1982..	29	219	265	226	283	203	719	510
$1,000, 1987..	111	1 135	1 779	1 242	1 448	1 454	4 685	4 542
1982..	122	1 967	2 212	2 276	2 838	2 918	6 652	6 551
Interest paid on debt:								
Secured by real estate .... farms, 1987..	27	152	291	104	163	129	397	419
$1,000, 1987..	85	796	1 343	895	1 098	871	3 082	3 156
Not secured by real estate .... farms, 1987..	27	107	140	77	120	112	397	261
$1,000, 1987..	26	337	436	346	350	584	1 603	1 385
Cash rent .... farms, 1987..	15	128	124	120	115	112	482	319
$1,000, 1987..	9	406	501	229	521	441	5 307	1 826
Property taxes paid .... farms, 1987..	92	415	621	325	424	294	1 164	939
$1,000, 1987..	175	1 034	1 388	829	1 241	991	3 813	2 826
All other farm production expenses .... farms, 1987..	82	392	596	347	415	290	1 132	876
$1,000, 1987..	213	1 511	1 771	2 119	930	2 362	4 883	4 547

See footnotes at end of table.

Table 3. **Farm Production Expenses: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item		Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
Total farm production expenses	farms, 1987	107	460	687	596	686	288	117	503
	$1,000, 1987	2 304	22 745	26 581	22 022	30 795	10 841	1 464	12 635
Average per farm	dollars, 1987	21 537	49 445	38 692	36 949	44 891	37 642	12 513	25 119
Livestock and poultry purchased	farms, 1987	47	158	195	170	158	122	44	186
	1982	48	152	302	272	189	128	39	229
	$1,000, 1987	179	1 838	1 400	351	1 542	890	99	449
	1982	148	977	1 649	726	1 323	468	63	619
Feed for livestock and poultry	farms, 1987	66	227	367	288	264	173	74	346
	1982	58	238	437	391	257	205	109	379
	$1,000, 1987	282	1 721	3 612	572	2 351	2 132	294	2 710
	1982	344	1 734	4 574	1 065	2 033	1 002	219	2 995
Commercially mixed formula feeds	farms, 1987	30	85	242	126	110	113	31	207
	1982	30	132	254	247	162	111	39	249
	$1,000, 1987	156	746	1 829	193	1 435	841	176	1 078
	1982	199	759	3 696	599	1 072	413	145	1 489
Seeds, bulbs, plants, and trees	farms, 1987	58	336	475	224	481	160	37	219
	1982	56	314	566	238	528	199	54	337
	$1,000, 1987	68	1 020	1 212	3 939	1 055	353	11	359
	1982	64	748	1 070	1 797	911	272	17	338
Commercial fertilizer[1]	farms, 1987	71	346	457	241	563	182	57	250
	1982	56	354	499	223	543	172	61	299
	$1,000, 1987	181	1 287	1 794	886	2 225	655	51	752
	1982	181	1 571	1 997	674	1 824	641	34	711
Agricultural chemicals[1]	farms, 1987	52	336	434	259	534	129	36	167
	1982	44	279	434	223	564	111	17	208
	$1,000, 1987	43	1 570	1 647	459	3 271	203	32	242
	1982	47	1 140	1 716	449	2 706	202	10	213
Petroleum products	farms, 1987	105	446	640	546	662	274	111	439
	1982	106	473	784	682	735	308	145	549
	$1,000, 1987	150	1 325	1 442	1 501	1 440	609	112	749
	1982	252	1 411	1 894	1 427	1 766	720	165	945
Gasoline and gasohol	farms, 1987	88	397	554	443	606	236	102	359
	1982	95	428	741	644	648	267	145	506
	$1,000, 1987	58	489	565	491	635	244	69	283
	1982	100	504	872	469	891	291	91	421
Diesel fuel	farms, 1987	70	277	395	273	399	152	46	232
	1982	71	259	355	239	483	176	53	248
	$1,000, 1987	72	457	597	469	605	270	26	365
	1982	122	520	702	406	612	338	48	371
Natural gas	farms, 1987	5	21	18	45	10	8	2	6
	1982	4	16	10	23	9	2	2	5
	$1,000, 1987	2	197	26	306	16	15	(D)	4
	1982	(D)	201	49	322	5	(D)	(D)	5
LP gas, fuel oil, kerosene, motor oil, grease, etc.	farms, 1987	83	282	458	314	500	189	87	315
	1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 1987	19	181	254	235	184	81	(D)	97
	1982	(D)	185	271	230	259	(D)	(D)	149
Electricity	farms, 1987	96	353	519	447	516	227	96	406
	1982	80	377	552	470	521	241	113	424
	$1,000, 1987	66	598	801	540	511	359	71	395
	1982	93	544	800	359	636	301	56	458
Hired farm labor	farms, 1987	37	179	235	230	385	93	48	181
	1982	38	193	292	276	367	73	49	207
	$1,000, 1987	170	3 612	2 913	3 017	6 477	804	112	960
	1982	163	3 130	2 963	2 752	4 077	444	68	1 147
Contract labor	farms, 1987	3	54	65	110	124	14	6	27
	1982	-	34	42	58	76	3	4	12
	$1,000, 1987	(D)	1 017	356	268	903	25	6	145
	1982	-	276	358	353	556	2	1	21
Repair and maintenance	farms, 1987	91	378	526	499	608	250	93	399
	$1,000, 1987	248	1 675	2 149	1 430	2 073	1 053	138	1 036
Customwork, machine hire, and rental of machinery and equipment[2]	farms, 1987	31	124	311	135	278	96	24	115
	1982	34	137	234	110	285	51	18	180
	$1,000, 1987	(D)	260	257	187	502	179	12	174
	1982	23	275	383	92	483	65	11	156
Interest paid[3]	farms, 1987	45	234	331	268	354	111	42	198
	1982	41	188	353	206	370	88	59	240
	$1,000, 1987	291	1 850	2 847	1 176	2 985	1 010	102	1 374
	1982	415	1 784	2 978	977	2 847	1 082	157	1 387
Interest paid on debt:									
Secured by real estate	farms, 1987	31	189	284	172	268	101	37	129
	$1,000, 1987	249	1 146	2 042	841	2 236	777	77	1 030
Not secured by real estate	farms, 1987	19	125	160	151	170	48	19	129
	$1,000, 1987	41	705	805	335	749	233	25	344
Cash rent	farms, 1987	18	93	246	92	180	118	29	123
	$1,000, 1987	25	628	804	879	494	345	39	308
Property taxes paid	farms, 1987	107	457	672	581	662	287	117	482
	$1,000, 1987	198	1 691	2 153	1 776	1 847	681	176	1 161
All other farm production expenses	farms, 1987	99	438	615	526	660	237	104	480
	$1,000, 1987	390	2 450	3 195	4 982	3 120	1 543	207	1 818

See footnotes at end of table.

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Table 3. **Farm Production Expenses: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
Total farm production expenses farms, 1987	84	133	1 472	293	31	1 424	1 092	880
$1,000, 1987	2 022	2 500	152 637	9 452	202	54 886	30 664	42 065
Average per farm dollars, 1987	24 076	18 855	103 694	32 259	6 529	38 543	28 081	47 801
Livestock and poultry purchased farms, 1987	39	54	578	96	6	290	281	353
1982	42	47	628	103	16	347	324	420
$1,000, 1987	192	441	16 188	688	3	2 413	4 565	2 232
1982	155	378	11 349	347	8	2 255	1 727	3 006
Feed for livestock and poultry farms, 1987	64	62	792	150	19	387	502	479
1982	66	73	909	175	23	466	568	559
$1,000, 1987	499	235	38 876	604	23	2 272	2 473	5 308
1982	329	374	28 696	1 018	32	2 236	2 874	4 878
Commercially mixed formula feeds farms, 1987	41	19	422	62	7	197	235	226
1982	37	40	534	78	8	248	253	244
$1,000, 1987	327	67	31 510	448	4	1 137	1 381	2 403
1982	155	165	23 130	458	7	1 074	1 692	2 669
Seeds, bulbs, plants, and trees farms, 1987	49	75	926	193	7	1 205	742	718
1982	50	90	1 126	201	7	1 436	889	843
$1,000, 1987	32	75	6 791	631	4	3 692	2 013	2 362
1982	40	88	4 981	375	5	3 324	1 479	1 995
Commercial fertilizer[1] farms, 1987	52	94	1 048	231	12	1 192	786	703
1982	54	98	1 259	232	16	1 461	927	781
$1,000, 1987	113	151	4 408	1 000	6	8 195	2 670	4 518
1982	125	175	4 971	948	19	9 861	3 667	6 200
Agricultural chemicals[1] farms, 1987	43	61	1 031	188	6	1 219	705	665
1982	36	62	1 101	143	6	1 376	732	772
$1,000, 1987	32	53	4 261	642	4	4 267	1 417	2 756
1982	24	38	3 295	422	10	4 608	1 772	2 467
Petroleum products farms, 1987	76	126	1 372	287	29	1 367	1 055	818
1982	86	142	1 561	335	37	1 702	1 297	1 024
$1,000, 1987	110	174	4 929	671	(D)	3 553	2 176	2 431
1982	140	271	5 950	898	31	5 571	3 000	3 799
Gasoline and gasohol farms, 1987	67	101	1 158	243	29	1 219	927	730
1982	80	123	1 486	314	35	1 621	1 178	916
$1,000, 1987	51	68	1 306	223	(D)	1 466	757	782
1982	65	128	2 401	340	21	2 520	1 127	1 281
Diesel fuel farms, 1987	53	79	877	188	12	879	653	498
1982	53	86	753	203	15	1 039	825	577
$1,000, 1987	46	81	1 416	360	(D)	1 558	1 022	1 142
1982	60	102	1 628	443	7	2 330	1 293	1 592
Natural gas farms, 1987	1	4	112	7	1	61	43	67
1982	1	2	115	21	2	60	26	33
$1,000, 1987	(D)	1	1 420	9	(D)	154	51	102
1982	(D)	(D)	885	9	(D)	124	76	30
LP gas, fuel oil, kerosene, motor oil, grease, etc. farms, 1987	61	104	959	227	15	1 081	756	594
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 1987	(D)	23	787	78	2	375	346	404
1982	(D)	(D)	1 037	107	(D)	597	504	896
Electricity farms, 1987	63	102	1 269	247	22	1 014	831	709
1982	52	98	1 270	297	24	1 179	856	717
$1,000, 1987	62	56	2 654	217	7	794	721	1 009
1982	40	74	2 118	237	8	840	737	838
Hired farm labor farms, 1987	36	28	643	100	5	437	245	320
1982	32	61	736	139	14	638	310	316
$1,000, 1987	178	193	24 745	1 039	(D)	2 828	2 419	3 071
1982	169	152	17 031	825	18	3 160	2 411	2 423
Contract labor farms, 1987	3	6	221	21	2	101	27	70
1982	1	4	88	-	-	38	42	24
$1,000, 1987	(D)	7	5 589	(D)	(D)	473	(D)	209
1982	(D)	11	481		-	131	72	466
Repair and maintenance farms, 1987	62	105	1 284	280	26	1 211	929	736
$1,000, 1987	149	251	5 904	896	36	4 256	2 432	2 958
Customwork, machine hire, and rental of machinery and equipment[2] farms, 1987	33	16	539	74	4	411	375	361
1982	20	28	733	88	4	505	342	446
$1,000, 1987	34	20	2 126	(D)	(D)	809	(D)	798
1982	5	11	1 265	64	1	668	481	809
Interest paid[3] farms, 1987	55	46	772	144	8	727	430	488
1982	46	42	799	86	14	707	507	521
$1,000, 1987	200	218	8 709	854	23	5 886	2 108	5 200
1982	289	369	9 617	1 028	18	7 212	3 501	7 048
Interest paid on debt: Secured by real estate farms, 1987	41	37	649	117	5	566	257	404
$1,000, 1987	144	116	6 948	564	(D)	4 283	1 570	3 924
Not secured by real estate farms, 1987	33	25	349	67	4	362	280	279
$1,000, 1987	57	102	1 761	289	(D)	1 602	539	1 276
Cash rent farms, 1987	21	26	371	102	4	456	393	259
$1,000, 1987	(D)	53	2 837	394	(D)	4 769	1 175	2 531
Property taxes paid farms, 1987	84	132	1 407	285	28	1 310	1 031	835
$1,000, 1987	159	286	5 421	603	42	5 768	2 741	3 117
All other farm production expenses farms, 1987	78	123	1 344	275	26	1 255	1 008	837
$1,000, 1987	226	293	19 201	1 019	23	4 908	3 363	3 566

See footnotes at end of table.

Table 3. **Farm Production Expenses: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item		Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
Total farm production expenses	farms, 1987	1 559	52	1 160	1 206	1 277	1 222	334	178
	$1,000, 1987	79 886	917	35 213	64 323	58 663	46 007	13 467	2 718
Average per farm	dollars, 1987	51 242	17 640	30 356	53 336	45 938	37 649	40 320	15 269
Livestock and poultry purchased	farms, 1987	543	17	345	304	270	418	49	51
	1982	435	18	270	299	301	464	51	41
	$1,000, 1987	5 584	68	1 723	2 408	2 176	5 121	72	102
	1982	4 068	60	2 130	2 011	2 787	4 028	62	79
Feed for livestock and poultry	farms, 1987	789	33	463	458	400	575	88	92
	1982	958	30	454	469	491	734	111	132
	$1,000 1987	7 938	86	3 185	5 158	4 967	3 865	282	576
	1982	7 861	46	2 855	5 239	5 202	4 694	294	545
Commercially mixed formula feeds	farms, 1987	530	9	275	262	210	320	43	51
	1982	718	10	232	224	267	320	52	61
	$1,000, 1987	4 842	32	1 594	3 465	2 310	2 332	119	402
	1982	4 231	21	1 264	3 938	2 822	2 207	236	418
Seeds, bulbs, plants, and trees	farms, 1987	1 265	28	952	982	722	788	177	89
	1982	1 506	30	1 059	1 288	817	973	279	117
	$1,000, 1987	1 606	38	1 827	3 952	2 987	2 116	1 101	91
	1982	4 088	21	1 848	3 924	2 269	2 349	481	95
Commercial fertilizer[1]	farms, 1987	1 279	35	985	988	1 029	856	196	94
	1982	1 498	38	1 043	1 233	1 136	885	322	109
	$1,000, 1987	10 156	76	4 129	9 813	3 557	4 373	582	151
	1982	12 231	61	4 780	11 844	4 733	5 364	1 021	187
Agricultural chemicals[1]	farms, 1987	1 160	23	916	946	1 029	806	239	96
	1982	1 355	20	999	1 060	1 085	813	258	58
	$1,000, 1987	3 471	18	2 334	4 189	4 845	2 121	547	90
	1982	3 760	15	1 944	3 921	4 431	1 876	467	111
Petroleum products	farms, 1987	1 525	51	1 121	1 169	1 230	1 153	312	171
	1982	1 842	56	1 387	1 471	1 464	1 329	439	229
	$1,000, 1987	4 795	90	2 344	4 137	2 805	2 565	1 138	182
	1982	7 281	69	3 978	6 371	4 106	4 514	2 205	312
Gasoline and gasohol	farms, 1987	1 276	43	1 010	1 035	1 132	986	275	150
	1982	1 605	49	1 176	1 418	1 356	1 258	380	229
	$1,000, 1987	1 439	38	894	1 466	1 224	940	243	84
	1982	2 417	36	1 379	2 602	1 826	1 727	667	148
Diesel fuel	farms, 1987	1 112	24	739	758	621	718	171	74
	1982	1 318	29	912	944	654	689	190	121
	$1,000, 1987	2 611	38	1 062	1 943	882	1 080	212	80
	1982	3 574	25	1 814	2 737	1 313	1 599	365	123
Natural gas	farms, 1987	52	1	18	66	21	33	51	-
	1982	55	-	37	53	31	52	71	-
	$1,000, 1987	103	(D)	22	166	236	180	562	-
	1982	109	-	148	126	166	413	1 056	-
LP gas, fuel oil, kerosene, motor oil, grease, etc.	farms, 1987	1 159	41	826	932	814	837	202	104
	1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 1987	642	(D)	346	562	463	364	121	17
	1982	1 182	8	637	905	801	775	117	41
Electricity	farms, 1987	1 297	45	862	937	965	916	224	128
	1982	1 447	36	1 045	1 121	963	926	223	189
	$1,000, 1987	2 054	29	854	1 118	1 130	976	363	113
	1982	2 245	16	872	1 068	1 054	953	369	99
Hired farm labor	farms, 1987	578	19	365	456	531	322	117	46
	1982	702	15	382	535	691	500	125	59
	$1,000, 1987	5 829	42	1 881	[illegible]	12 614	4 374	3 891	176
	1982	5 215	30	1 974	3 596	8 216	3 041	1 937	166
Contract labor	farms, 1987	142	4	90	108	260	117	31	7
	1982	46	4	30	84	178	77	21	14
	$1,000, 1987	496	2	152	537	2 733	240	47	5
	1982	178	1	56	464	952	305	52	20
Repair and maintenance	farms, 1987	1 384	42	1 031	1 072	1 067	1 041	261	128
	$1,000, 1987	6 058	92	3 176	4 460	3 795	3 690	817	223
Customwork, machine hire, and rental of machinery and equipment[2]	farms, 1987	730	18	425	385	477	402	80	44
	1982	721	12	359	576	567	451	151	55
	$1,000, 1987	1 631	16	487	1 281	1 422	526	57	14
	1982	1 069	(D)	378	773	1 107	571	62	12
Interest paid[3]	farms, 1987	858	32	618	666	569	544	108	55
	1982	1 119	16	740	681	780	584	158	43
	$1,000, 1987	8 542	139	4 484	6 507	4 610	3 975	547	196
	1982	12 373	125	5 532	9 627	7 723	5 025	751	399
Interest paid on debt:									
Secured by real estate	farms, 1987	658	26	479	485	458	433	80	34
	$1,000, 1987	6 105	115	3 154	4 508	3 458	2 962	361	114
Not secured by real estate	farms, 1987	508	14	335	370	315	280	38	31
	$1,000, 1987	2 437	24	1 330	1 999	1 152	1 013	186	81
Cash rent	farms, 1987	745	13	344	478	216	427	96	21
	$1,000, 1987	4 890	16	1 558	6 232	1 378	2 704	390	62
Property taxes paid	farms, 1987	1 405	51	1 100	1 071	1 223	1 127	316	176
	$1,000, 1987	4 860	90	3 735	4 334	3 097	4 700	995	324
All other farm production expenses	farms, 1987	1 422	48	1 003	1 095	1 179	1 131	297	155
	$1,000, 1987	8 977	115	3 343	5 422	6 548	4 660	2 637	412

[1] Data for 1987 include cost of custom applications.
[2] Data for 1987 exclude cost of custom applications for commercial fertilizer and agricultural chemicals.
[3] Data for 1982 do not include imputation for item nonresponse.

Table 4. Net Cash Return From Agricultural Sales, Government Payments, Other Farm-Related Income, and Commodity Credit Corporation Loans: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Item	Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
NET CASH RETURN							
Net cash return from agricultural sales for the farm unit (see text)[1] farms, 1987	51 175	229	63	1 634	424	248	332
$1,000, 1987	319 953	420	104	16 558	1 852	1 887	1 589
Average per farm dollars, 1987	6 252	1 833	1 653	10 133	4 367	7 610	4 786
Farms with net gains[2] number, 1987	21 623	111	30	749	165	105	148
$1,000, 1987	507 956	849	395	22 307	3 126	2 890	2 928
Average per farm dollars, 1987	23 491	7 648	13 168	29 782	18 948	27 524	19 787
Farms with net losses number, 1987	29 552	118	33	885	259	143	184
$1,000, 1987	188 003	429	291	5 749	1 275	1 003	1 340
Average per farm dollars, 1987	6 362	3 638	8 815	6 496	4 922	7 012	7 281
GOVERNMENT PAYMENTS							
Total received farms, 1987	19 686	52	12	566	154	68	181
$1,000, 1987	223 470	325	67	6 403	509	441	1 651
Average per farm dollars, 1987	11 363	6 247	5 553	11 313	3 304	6 481	9 121
Amount received in cash farms, 1987	17 180	42	9	498	125	62	151
$1,000, 1987	110 533	178	18	3 212	262	228	684
Value of commodity certificates received farms, 1987	17 520	37	9	494	141	52	161
$1,000, 1987	112 937	147	48	3 191	247	213	967
OTHER FARM-RELATED INCOME							
Gross before taxes and expenses[1] farms, 1987	11 845	45	21	479	82	78	69
$1,000, 1987	37 093	27	77	1 242	169	248	176
Average per farm dollars, 1987	3 132	607	3 649	2 592	2 059	3 182	2 547
Customwork and other agricultural services[3] farms, 1987	4 489	29	7	105	30	39	21
1982	4 371	15	4	142	26	16	11
$1,000, 1987	14 787	20	(D)	414	72	129	44
1982	12 300	11	1	439	79	24	41
Rental of farmland farms, 1987	3 973	-	2	226	16	1	34
$1,000, 1987	10 076	-	(D)	473	(D)	(D)	96
Sales of forest products and Christmas trees farms, 1987	1 731	7	11	56	34	18	13
$1,000, 1987	5 537	4	37	181	48	(D)	19
Other farm-related income sources farms, 1987	3 533	9	10	203	12	29	11
$1,000, 1987	6 693	4	24	173	(D)	64	17
COMMODITY CREDIT CORPORATION LOANS							
Total farms, 1987	7 081	15	-	195	32	26	71
1982	3 791	5	-	122	22	4	33
$1,000, 1987	151 146	140	-	3 941	176	227	853
1982	136 699	33	-	6 031	84	67	969
Corn farms, 1987	6 720	10	-	193	28	21	68
$1,000, 1987	135 370	122	-	3 767	162	201	604
Wheat farms, 1987	522	2	-	8	3	3	9
$1,000, 1987	2 150	(D)	-	14	(D)	1	(D)
Soybeans farms, 1987	542	-	-	7	-	-	3
$1,000, 1987	11 105	-	-	111	-	-	(D)
Sorghum, barley, and oats farms, 1987	177	2	-	1	5	2	-
$1,000, 1987	351	(D)	-	(D)	(D)	(D)	-
Cotton farms, 1987	-	-	-	-	-	-	-
$1,000, 1987	-	-		-	-	-	-
Peanuts, rye, rice, tobacco, and honey farms, 1987	169	3	-	2	-	3	-
$1,000, 1987	2 170	6	-	(D)	-	(D)	-

See footnotes at end of table.

Table 4. **Net Cash Return From Agricultural Sales, Government Payments, Other Farm-Related Income, and Commodity Credit Corporation Loans: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
NET CASH RETURN								
Net cash return from agricultural sales for the farm unit (see text)[1]	farms, 1987	57	908	922	149	1 479	1 035	1 166
	$1,000, 1987	133	2 417	5 785	190	6 748	6 944	2 194
Average per farm	dollars, 1987	2 325	2 662	6 274	1 274	4 563	6 709	1 881
Farms with net gains[2]	number, 1987	27	319	479	57	679	461	439
	$1,000, 1987	242	5 470	9 190	669	10 779	9 737	7 827
Average per farm	dollars, 1987	8 966	17 146	19 185	11 744	15 875	21 122	17 830
Farms with net losses	number, 1987	30	589	443	92	800	574	727
	$1,000, 1987	110	3 052	3 405	480	4 031	2 793	5 634
Average per farm	dollars, 1987	3 651	5 182	7 686	5 213	5 038	4 867	7 749
GOVERNMENT PAYMENTS								
Total received	farms, 1987	19	340	413	13	379	616	563
	$1,000, 1987	37	4 457	4 001	61	3 783	7 632	6 694
Average per farm	dollars, 1987	1 973	13 108	9 687	4 657	9 982	12 389	11 890
Amount received in cash	farms, 1987	13	294	315	10	296	564	494
	$1,000, 1987	10	2 374	1 792	35	1 639	3 734	3 317
Value of commodity certificates received	farms, 1987	12	290	391	9	347	568	522
	$1,000, 1987	27	2 083	2 209	25	2 144	3 898	3 378
OTHER FARM-RELATED INCOME								
Gross before taxes and expenses[1]	farms, 1987	13	195	237	44	406	209	237
	$1,000, 1987	14	447	859	530	1 261	597	783
Average per farm	dollars, 1987	1 039	2 294	3 624	12 056	3 105	2 858	3 304
Customwork and other agricultural services[3]	farms, 1987	3	60	141	23	100	90	78
	1982	4	72	92	13	147	82	118
	$1,000, 1987	(D)	163	459	63	486	196	265
	1982	2	193	185	64	504	210	387
Rental of farmland	farms, 1987	1	65	101	8	160	51	96
	$1,000, 1987	(D)	99	370	4	331	196	259
Sales of forest products and Christmas trees	farms, 1987	7	29	5	18	49	18	35
	$1,000, 1987	5	64	(D)	444	50	41	103
Other farm-related income sources	farms, 1987	3	65	3	19	149	76	56
	$1,000, 1987	(D)	122	(D)	19	394	165	156
COMMODITY CREDIT CORPORATION LOANS								
Total	farms, 1987	-	119	141	7	128	281	200
	1982	-	97	49	1	62	148	95
	$1,000, 1987	-	2 279	2 473	41	3 751	7 945	4 164
	1982	-	3 420	2 081	(D)	2 042	4 742	3 669
Corn	farms, 1987	-	117	129	4	121	272	197
	$1,000, 1987	-	2 130	2 221	21	3 138	7 448	4 094
Wheat	farms, 1987	-	7	6	-	7	10	15
	$1,000, 1987	-	(D)	11	-	(D)	8	44
Soybeans	farms, 1987	-	7	13	-	18	27	4
	$1,000, 1987	-	120	100	-	518	437	(D)
Sorghum, barley, and oats	farms, 1987	-	-	-	-	-	1	2
	$1,000, 1987	-	-	-	-	-	(D)	(D)
Cotton	farms, 1987	-	-	-	-	-	-	-
	$1,000, 1987	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey	farms, 1987	-	2	6	3	6	3	1
	$1,000, 1987	-	(D)	140	20	(D)	(D)	(D)

See footnotes at end of table.

Table 4. Net Cash Return From Agricultural Sales, Government Payments, Other Farm-Related Income, and Commodity Credit Corporation Loans: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
NET CASH RETURN							
Net cash return from agricultural sales for the farm unit (see text)[1] ......farms, 1987	839	232	172	338	298	1 333	20
$1,000, 1987	10 160	444	916	1 573	474	8 720	-16
Average per farm ......dollars, 1987	12 110	1 912	5 324	4 655	1 589	6 542	-819
Farms with net gains[2] ......number, 1987	387	81	63	186	111	551	5
$1,000, 1987	13 013	1 042	1 308	2 032	1 368	13 474	(D)
Average per farm ......dollars, 1987	33 625	12 869	20 758	10 923	12 320	24 453	(D)
Farms with net losses ......number, 1987	452	151	109	152	187	782	15
$1,000, 1987	2 853	599	392	458	894	4 754	(D)
Average per farm ......dollars, 1987	6 312	3 965	3 597	3 016	4 780	6 079	(D)
GOVERNMENT PAYMENTS							
Total received ......farms, 1987	397	34	24	53	74	695	4
$1,000, 1987	5 527	314	92	203	340	6 101	2
Average per farm ......dollars, 1987	13 921	9 225	3 849	3 825	4 597	8 778	564
Amount received in cash ......farms, 1987	359	29	21	44	61	606	4
$1,000, 1987	2 927	231	61	164	154	2 992	2
Value of commodity certificates received ......farms, 1987	362	28	17	23	57	636	-
$1,000, 1987	2 600	83	31	38	186	3 108	-
OTHER FARM-RELATED INCOME							
Gross before taxes and expenses[1] ......farms, 1987	213	56	45	69	61	313	4
$1,000, 1987	649	155	67	108	126	827	(D)
Average per farm ......dollars, 1987	3 046	2 776	1 488	1 559	2 066	2 642	(D)
Customwork and other agricultural services[3] ......farms, 1987	79	13	9	27	41	83	-
1982	93	19	12	26	12	124	2
$1,000, 1987	229	14	20	53	77	264	-
1982	274	36	8	40	40	287	(D)
Rental of farmland ......farms, 1987	69	13	4	13	15	132	1
$1,000, 1987	116	28	1	26	(D)	386	(D)
Sales of forest products and Christmas trees ......farms, 1987	34	29	24	-	8	51	-
$1,000, 1987	174	68	36	-	(D)	112	-
Other farm-related income sources ......farms, 1987	62	20	18	29	4	79	3
$1,000, 1987	130	45	11	28	(D)	65	1
COMMODITY CREDIT CORPORATION LOANS							
Total ......farms, 1987	168	9	7	4	12	240	-
1982	119	6	-	2	12	161	-
$1,000, 1987	5 066	43	9	13	194	4 025	-
1982	3 689	50	-	(D)	231	4 439	-
Corn ......farms, 1987	167	8	6	-	10	227	-
$1,000, 1987	4 800	(D)	(D)	-	112	3 335	-
Wheat ......farms, 1987	8	-	-	-	1	27	-
$1,000, 1987	(D)	-	-	-	(D)	29	-
Soybeans ......farms, 1987	15	-	-	-	-	31	-
$1,000, 1987	228	-	-	-	-	564	-
Sorghum, barley, and oats ......farms, 1987	1	1	1	1	-	7	-
$1,000, 1987	(D)	(D)	(D)	(D)	-	(D)	-
Cotton ......farms, 1987	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey ......farms, 1987	-	-	-	3	2	3	-
$1,000, 1987	-	-	-	(D)	(D)	(D)	-

See footnotes at end of table.

Table 4. Net Cash Return From Agricultural Sales, Government Payments, Other Farm-Related Income, and Commodity Credit Corporation Loans: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
NET CASH RETURN								
Net cash return from agricultural sales for the farm unit (see text)[1]	farms, 1987	271	109	1 220	211	850	412	58
	$1,000, 1987	2 374	954	1 789	981	1 326	319	162
Average per farm	dollars, 1987	8 760	8 750	1 466	4 652	1 560	775	2 801
Farms with net gains[2]	number, 1987	117	58	446	80	253	162	13
	$1,000, 1987	3 081	1 281	6 744	1 441	4 958	1 394	293
Average per farm	dollars, 1987	26 337	22 081	15 122	18 016	19 598	8 608	22 508
Farms with net losses	number, 1987	154	51	774	131	597	250	45
	$1,000, 1987	708	327	4 956	460	3 632	1 075	130
Average per farm	dollars, 1987	4 594	6 411	6 403	3 510	6 084	4 300	2 892
GOVERNMENT PAYMENTS								
Total received	farms, 1987	52	18	503	38	263	153	6
	$1,000, 1987	229	89	6 618	230	3 583	818	(D)
Average per farm	dollars, 1987	4 412	4 965	13 157	6 064	13 622	5 343	(D)
Amount received in cash	farms, 1987	32	10	446	35	208	124	5
	$1,000, 1987	75	35	2 963	126	1 835	383	(D)
Value of commodity certificates received	farms, 1987	39	18	453	29	238	131	2
	$1,000, 1987	154	55	3 655	105	1 748	435	(D)
OTHER FARM-RELATED INCOME								
Gross before taxes and expenses[1]	farms, 1987	70	31	322	33	179	52	10
	$1,000, 1987	112	85	762	60	488	46	13
Average per farm	dollars, 1987	1 600	2 731	2 365	1 816	2 726	891	1 291
Customwork and other agricultural services[3]	farms, 1987	22	1	106	19	77	17	3
	1982	15	4	127	15	70	32	6
	$1,000, 1987	25	(D)	307	32	89	18	(D)
	1982	9	8	266	6	99	54	1
Rental of farmland	farms, 1987	-	5	119	-	67	27	4
	$1,000, 1987	-	3	217	-	222	26	(Z)
Sales of forest products and Christmas trees	farms, 1987	48	20	26	23	28	12	3
	$1,000, 1987	37	80	59	(D)	(D)	1	(D)
Other farm-related income sources	farms, 1987	17	5	102	3	29	3	6
	$1,000, 1987	50	(D)	178	(D)	(D)	1	3
COMMODITY CREDIT CORPORATION LOANS								
Total	farms, 1987	5	-	213	9	83	43	-
	1982	6	3	100	2	53	23	-
	$1,000, 1987	13	-	3 641	120	2 558	340	-
	1982	36	(D)	4 042	(D)	1 991	392	-
Corn	farms, 1987	1	-	206	9	73	42	-
	$1,000, 1987	(D)	-	3 303	(D)	2 373	304	-
Wheat	farms, 1987	-	-	20	1	2	5	-
	$1,000, 1987	-	-	(D)	(D)	(D)	25	-
Soybeans	farms, 1987	-	-	11	-	10	1	-
	$1,000, 1987	-	-	221	-	176	(D)	-
Sorghum, barley, and oats	farms, 1987	4	-	-	1	1	4	-
	$1,000, 1987	(D)	-	-	(D)	(D)	(D)	-
Cotton	farms, 1987	-	-	-	-	-	-	-
	$1,000, 1987	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey	farms, 1987	-	-	3	-	2	1	-
	$1,000, 1987	-	-	(D)	-	(D)	(D)	-

See footnotes at end of table.

Table 4. Net Cash Return From Agricultural Sales, Government Payments, Other Farm-Related Income, and Commodity Credit Corporation Loans: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
NET CASH RETURN									
Net cash return from agricultural sales for the farm unit (see text)[1]	farms, 1987	446	1 011	1 142	146	1 390	960	1 089	216
	$1,000, 1987	1 212	10 637	5 293	314	15 709	3 388	8 985	19
Average per farm	dollars, 1987	2 718	10 521	4 635	2 149	11 301	3 530	8 251	89
Farms with net gains[2]	number, 1987	158	517	442	65	825	343	491	103
	$1,000, 1987	3 216	14 235	10 455	572	22 246	8 435	13 317	1 224
Average per farm	dollars, 1987	20 352	27 534	23 655	8 803	26 964	24 593	27 123	11 881
Farms with net losses	number, 1987	288	494	700	81	565	617	598	113
	$1,000, 1987	2 003	3 598	5 162	258	6 537	5 047	4 332	1 204
Average per farm	dollars, 1987	6 956	7 284	7 374	3 191	11 569	8 180	7 245	10 659
GOVERNMENT PAYMENTS									
Total received	farms, 1987	72	589	640	37	874	372	573	72
	$1,000, 1987	552	7 800	9 029	175	13 735	5 545	6 474	440
Average per farm	dollars, 1987	7 686	13 243	14 107	4 737	15 715	14 905	11 298	6 116
Amount received in cash	farms, 1987	68	489	582	31	811	348	511	63
	$1,000, 1987	271	3 470	5 057	100	7 153	2 805	3 219	158
Value of commodity certificates received	farms, 1987	58	545	583	18	805	333	528	64
	$1,000, 1987	281	4 330	3 972	75	6 582	2 740	3 255	282
OTHER FARM-RELATED INCOME									
Gross before taxes and expenses[1]	farms, 1987	80	296	284	31	479	198	219	23
	$1,000, 1987	336	926	992	46	2 034	458	550	(D)
Average per farm	dollars, 1987	4 200	3 129	3 491	1 477	4 246	2 313	2 510	(D)
Customwork and other agricultural services[3]	farms, 1987	27	119	163	11	188	97	59	13
	1982	42	112	126	13	146	84	104	16
	$1,000, 1987	159	437	414	(D)	1 049	158	143	8
	1982	132	324	304	16	689	136	229	12
Rental of farmland	farms, 1987	18	99	111	2	108	51	83	8
	$1,000, 1987	17	170	479	(D)	560	95	211	(D)
Sales of forest products and Christmas trees	farms, 1987	16	26	19	13	11	27	33	-
	$1,000, 1987	46	74	37	22	13	118	124	-
Other farm-related income sources	farms, 1987	35	116	27	10	290	46	85	9
	$1,000, 1987	112	245	61	15	412	86	72	3
COMMODITY CREDIT CORPORATION LOANS									
Total	farms, 1987	38	228	235	6	350	167	208	20
	1982	9	97	115	1	169	153	126	12
	$1,000, 1987	239	4 478	5 339	30	6 454	5 339	3 265	203
	1982	50	2 703	3 913	(D)	4 504	8 751	3 454	882
Corn	farms, 1987	33	217	229	5	341	163	204	20
	$1,000, 1987	221	4 098	4 937	(D)	6 042	4 746	3 057	(D)
Wheat	farms, 1987	1	10	9	-	59	18	17	-
	$1,000, 1987	(D)	17	(D)	-	294	161	20	-
Soybeans	farms, 1987	-	18	16	-	2	16	9	1
	$1,000, 1987	-	335	342	-	(D)	429	163	(D)
Sorghum, barley, and oats	farms, 1987	-	4	-	2	17	3	4	1
	$1,000, 1987	-	1	-	(D)	105	(D)	4	(D)
Cotton	farms, 1987	-	-	-	-	-	-	-	-
	$1,000, 1987	-	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey	farms, 1987	5	5	3	-	1	1	4	-
	$1,000, 1987	(D)	26	(D)	-	(D)	(D)	21	-

See footnotes at end of table.

Table 4. **Net Cash Return From Agricultural Sales, Government Payments, Other Farm-Related Income, and Commodity Credit Corporation Loans: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
NET CASH RETURN								
Net cash return from agricultural sales for the farm unit (see text)[1] ..... farms, 1987	95	912	1 103	842	89	1 369	2	111
$1,000, 1987	-75	6 239	2 115	12 310	202	16 075	(D)	-163
Average per farm ..... dollars, 1987	-790	6 841	1 917	14 620	2 269	11 742	(D)	-1 464
Farms with net gains[2] ..... number, 1987	29	425	310	381	32	569	-	27
$1,000, 1987	181	8 552	7 147	15 003	484	19 990	-	215
Average per farm ..... dollars, 1987	6 250	20 123	23 054	39 378	15 141	35 131	-	7 947
Farms with net losses ..... number, 1987	66	487	793	461	57	800	2	84
$1,000, 1987	256	2 314	5 032	2 693	283	3 915	(D)	377
Average per farm ..... dollars, 1987	3 883	4 751	6 345	5 841	4 956	4 894	(D)	4 489
GOVERNMENT PAYMENTS								
Total received ..... farms, 1987	24	390	465	298	32	403	1	22
$1,000, 1987	90	3 264	5 634	4 419	170	4 060	(D)	78
Average per farm ..... dollars, 1987	3 764	8 371	12 116	14 827	5 323	10 074	(D)	3 544
Amount received in cash ..... farms, 1987	10	333	433	278	28	355	-	17
$1,000, 1987	15	1 661	2 976	2 215	91	2 231	-	40
Value of commodity certificates received ..... farms, 1987	18	344	405	270	29	338	1	17
$1,000, 1987	75	1 604	2 658	2 204	79	1 829	(D)	38
OTHER FARM-RELATED INCOME								
Gross before taxes and expenses[1] ..... farms, 1987	17	157	235	167	18	259	-	25
$1,000, 1987	21	528	795	514	41	714	-	37
Average per farm ..... dollars, 1987	1 216	3 363	3 384	3 078	2 256	2 756	-	1 498
Customwork and other agricultural services[3] ..... farms, 1987	6	69	97	63	4	91	-	15
1982	3	54	89	76	5	108	-	7
$1,000, 1987	11	317	309	164	6	338	-	24
1982	3	61	164	256	2	387	-	8
Rental of farmland ..... farms, 1987	3	55	100	25	6	90	-	-
$1,000, 1987	(D)	136	174	77	(D)	191	-	-
Sales of forest products and Christmas trees ..... farms, 1987	7	22	24	22	8	39	-	4
$1,000, 1987	6	37	72	121	26	94	-	13
Other farm-related income sources ..... farms, 1987	3	36	38	77	3	58	-	7
$1,000, 1987	(D)	37	240	152	(D)	91	-	1
COMMODITY CREDIT CORPORATION LOANS								
Total ..... farms, 1987	-	120	184	124	7	126	-	1
1982	1	40	87	69	4	77	-	5
$1,000, 1987	-	1 419	3 958	3 696	75	2 468	-	(D)
1982	(D)	1 111	4 127	2 979	47	2 815	-	38
Corn ..... farms, 1987	-	108	176	122	7	120	-	-
$1,000, 1987	-	1 150	3 864	3 312	75	2 416	-	-
Wheat ..... farms, 1987	-	12	5	7	-	13	-	-
$1,000, 1987	-	19	(D)	19	-	15	-	-
Soybeans ..... farms, 1987	-	3	3	16	-	-	-	-
$1,000, 1987	-	(D)	61	(D)	-	-	-	-
Sorghum, barley, and oats ..... farms, 1987	-	2	1	-	-	5	-	-
$1,000, 1987	-	(D)	(D)	-	-	13	-	-
Cotton ..... farms, 1987	-	-	-	-	-	-	-	-
$1,000, 1987	-	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey ..... farms, 1987	-	9	8	2	-	5	-	1
$1,000, 1987	-	182	26	(D)	-	24	-	(D)

See footnotes at end of table.

Table 4. Net Cash Return From Agricultural Sales, Government Payments, Other Farm-Related Income, and Commodity Credit Corporation Loans: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
NET CASH RETURN								
Net cash return from agricultural sales for the farm unit (see text)[1] ....farms, 1987..	1 230	395	1 387	786	34	80	667	280
$1,000, 1987..	6 186	-549	7 471	4 505	49	589	5 396	687
Average per farm..........dollars, 1987..	5 029	-1 390	5 387	5 717	1 446	7 364	8 089	2 453
Farms with net gains[2]..........number, 1987..	438	96	630	292	12	43	309	67
$1,000, 1987..	10 462	2 300	13 637	7 463	185	723	7 232	1 533
Average per farm..........dollars, 1987..	23 886	23 960	21 647	25 558	15 444	16 811	23 404	22 874
Farms with net losses..........number, 1987..	792	299	757	496	22	37	358	213
$1,000, 1987..	4 276	2 849	6 166	2 958	136	134	1 836	846
Average per farm..........dollars, 1987..	5 399	9 529	8 145	5 964	6 188	3 616	5 129	3 970
GOVERNMENT PAYMENTS								
Total received..........farms, 1987..	396	55	752	233	5	17	159	63
$1,000, 1987..	4 924	284	11 446	3 284	41	88	1 980	204
Average per farm..........dollars, 1987..	12 435	5 158	15 220	14 095	8 276	5 189	12 452	3 245
Amount received in cash..........farms, 1987..	360	49	692	215	1	10	137	57
$1,000, 1987..	2 394	126	5 878	1 522	(D)	29	1 116	107
Value of commodity certificates received..........farms, 1987..	336	42	678	200	5	14	141	45
$1,000, 1987..	2 530	158	5 568	1 762	(D)	59	864	97
OTHER FARM-RELATED INCOME								
Gross before taxes and expenses[1]..........farms, 1987..	289	126	319	147	13	13	100	73
$1,000, 1987..	848	367	1 803	540	63	18	165	322
Average per farm..........dollars, 1987..	2 934	2 914	5 651	3 670	4 868	1 353	1 651	4 407
Customwork and other agricultural services[3]..........farms, 1987..	134	45	191	55	5	1	49	34
1982..	80	45	177	60	4	3	40	32
$1,000, 1987..	313	117	781	223	11	(D)	96	97
1982..	147	156	762	189	12	3	182	67
Rental of farmland..........farms, 1987..	101	36	120	51	3	2	40	12
$1,000, 1987..	174	58	837	90	(D)	(D)	48	3
Sales of forest products and Christmas trees..........farms, 1987..	38	28	3	45	4	5	7	35
$1,000, 1987..	193	113	(D)	131	(D)	8	11	198
Other farm-related income sources..........farms, 1987..	83	33	41	38	5	7	13	15
$1,000, 1987..	166	79	(D)	95	10	8	11	23
COMMODITY CREDIT CORPORATION LOANS								
Total..........farms, 1987..	144	28	384	87	-	2	41	19
1982..	80	13	203	47	-	1	36	4
$1,000, 1987..	3 513	281	10 038	2 178	-	(D)	850	86
1982..	2 631	130	9 535	2 154	-	(D)	626	23
Corn..........farms, 1987..	141	21	366	85	-	1	36	16
$1,000, 1987..	3 419	115	8 306	2 104	-	(D)	820	30
Wheat..........farms, 1987..	13	1	32	7	-	-	3	-
$1,000, 1987..	38	(D)	(D)	(D)	-	-	(D)	-
Soybeans..........farms, 1987..	4	-	79	-	-	-	6	-
$1,000, 1987..	47	-	1 617	-	-	-	145	-
Sorghum, barley, and oats..........farms, 1987..	6	-	-	-	-	1	4	-
$1,000, 1987..	(D)	-	-	-	-	(D)	9	-
Cotton..........farms, 1987..	-	-	-	-	-	-	-	-
$1,000, 1987..	-	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey..........farms, 1987..	2	7	2	2	-	-	2	3
$1,000, 1987..	(D)	(D)	(D)	(D)	-	-	(D)	56

See footnotes at end of table.

Table 4. Net Cash Return From Agricultural Sales, Government Payments, Other Farm-Related Income, and Commodity Credit Corporation Loans: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
NET CASH RETURN									
Net cash return from agricultural sales for the farm unit (see text)[1]	farms, 1987	101	426	639	374	459	305	1 258	979
	$1,000, 1987	225	2 890	2 148	3 951	693	4 989	3 351	3 249
Average per farm	dollars, 1987	2 226	6 783	3 362	10 564	1 509	16 358	2 664	3 319
Farms with net gains[2]	number, 1987	31	181	228	187	176	159	491	352
	$1,000, 1987	529	3 933	4 119	4 856	2 134	5 811	8 572	7 099
Average per farm	dollars, 1987	17 076	21 729	18 064	25 967	12 128	36 546	17 458	20 167
Farms with net losses	number, 1987	70	245	411	187	283	146	767	627
	$1,000, 1987	305	1 043	1 970	905	1 442	822	5 221	3 850
Average per farm	dollars, 1987	4 351	4 256	4 794	4 839	5 095	5 627	6 806	6 140
GOVERNMENT PAYMENTS									
Total received	farms, 1987	13	133	220	98	183	123	470	487
	$1,000, 1987	61	1 123	1 108	665	1 767	961	4 626	4 841
Average per farm	dollars, 1987	4 698	8 446	5 037	6 790	9 656	7 812	9 843	9 941
Amount received in cash	farms, 1987	4	116	166	86	149	115	420	429
	$1,000, 1987	(D)	590	544	397	788	658	2 265	2 243
Value of commodity certificates received	farms, 1987	12	122	180	76	164	107	430	442
	$1,000, 1987	(D)	534	564	268	979	303	2 361	2 599
OTHER FARM-RELATED INCOME									
Gross before taxes and expenses[1]	farms, 1987	11	54	110	163	111	87	408	179
	$1,000, 1987	73	245	313	198	187	552	1 083	564
Average per farm	dollars, 1987	6 662	4 529	2 848	1 213	1 687	6 345	2 654	3 152
Customwork and other agricultural services[3]	farms, 1987	1	12	36	34	41	23	134	45
	1982	5	32	45	22	29	22	108	72
	$1,000, 1987	(D)	28	159	31	66	92	511	246
	1982	(D)	83	54	39	42	54	240	142
Rental of farmland	farms, 1987	-	11	39	19	48	25	160	86
	$1,000, 1987	-	33	75	5	70	38	384	107
Sales of forest products and Christmas trees	farms, 1987	10	17	24	74	7	23	23	22
	$1,000, 1987	37	104	68	106	9	389	42	29
Other farm-related income sources	farms, 1987	4	22	24	80	24	29	152	48
	$1,000, 1987	(D)	80	10	55	43	34	147	183
COMMODITY CREDIT CORPORATION LOANS									
Total	farms, 1987	1	42	37	22	72	29	188	142
	1982	-	38	39	9	22	24	84	100
	$1,000, 1987	(D)	546	230	325	1 258	326	4 435	2 114
	1982	-	862	878	26	1 096	95	3 026	3 715
Corn	farms, 1987	-	38	31	20	69	26	175	135
	$1,000, 1987	-	479	221	313	1 085	158	3 657	1 839
Wheat	farms, 1987	-	4	3	-	6	-	13	16
	$1,000, 1987	-	4	(D)	-	43	-	(D)	45
Soybeans	farms, 1987	-	-	-	-	7	-	37	5
	$1,000, 1987	-	-	-	-	(D)	-	757	31
Sorghum, barley, and oats	farms, 1987	-	2	2	2	-	1	-	6
	$1,000, 1987	-	(D)	(D)	(D)	-	(D)	-	2
Cotton	farms, 1987	-	-	-	-	-	-	-	-
	$1,000, 1987	-	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey	farms, 1987	1	3	5	1	2	3	1	5
	$1,000, 1987	(D)	(D)	6	(D)	(D)	(D)	(D)	196

See footnotes at end of table.

Table 4. Net Cash Return From Agricultural Sales, Government Payments, Other Farm-Related Income, and Commodity Credit Corporation Loans: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
NET CASH RETURN									
Net cash return from agricultural sales for the farm unit (see text)[1]	farms, 1987	107	460	687	596	686	288	117	503
	$1,000, 1987	251	3 842	5 277	-59	4 872	2 602	362	2 116
Average per farm	dollars, 1987	2 345	8 352	7 681	-99	7 102	9 033	3 094	4 206
Farms with net gains[2]	number, 1987	36	184	275	158	263	155	60	201
	$1,000, 1987	583	5 484	7 537	3 719	7 796	3 146	532	3 339
Average per farm	dollars, 1987	16 188	29 803	27 406	23 538	29 644	20 295	8 863	16 613
Farms with net losses	number, 1987	71	276	412	438	423	133	57	302
	$1,000, 1987	332	1 642	2 260	3 778	2 924	544	170	1 224
Average per farm	dollars, 1987	4 674	5 948	5 485	8 626	6 914	4 091	2 979	4 052
GOVERNMENT PAYMENTS									
Total received	farms, 1987	40	118	256	75	148	106	28	128
	$1,000, 1987	204	1 356	1 574	885	677	819	43	603
Average per farm	dollars, 1987	5 097	11 488	6 148	11 796	4 573	7 724	1 540	4 714
Amount received in cash	farms, 1987	35	103	229	64	136	93	17	103
	$1,000, 1987	111	675	764	495	398	420	14	328
Value of commodity certificates received	farms, 1987	33	105	220	57	103	100	18	98
	$1,000, 1987	93	681	810	389	279	399	29	275
OTHER FARM-RELATED INCOME									
Gross before taxes and expenses[1]	farms, 1987	14	97	166	133	217	38	16	103
	$1,000, 1987	39	288	371	344	770	75	21	196
Average per farm	dollars, 1987	2 808	2 968	2 237	2 589	3 549	1 983	1 335	1 898
Customwork and other agricultural services[7]	farms, 1987	3	24	80	38	83	12	7	28
	1982	10	25	66	35	86	13	7	32
	$1,000, 1987	2	136	206	149	320	44	10	30
	1982	9	136	156	53	378	17	2	49
Rental of farmland	farms, 1987	9	47	44	26	67	1	6	30
	$1,000, 1987	3	41	56	60	98	(D)	(D)	8
Sales of forest products and Christmas trees	farms, 1987	5	15	31	35	74	7	2	28
	$1,000, 1987	2	62	66	67	180	20	(D)	75
Other farm-related income sources	farms, 1987	3	14	30	43	77	20	4	32
	$1,000, 1987	32	49	44	68	172	(D)	4	82
COMMODITY CREDIT CORPORATION LOANS									
Total	farms, 1987	10	32	66	28	24	28	3	18
	1982	2	19	49	13	12	8	1	6
	$1,000, 1987	83	665	845	813	291	409	(D)	128
	1982	(D)	1 151	629	607	248	(D)	(D)	(D)
Corn	farms, 1987	10	32	62	24	22	25	-	14
	$1,000, 1987	83	665	736	771	(D)	377	-	99
Wheat	farms, 1987	-	-	3	1	-	7	-	1
	$1,000, 1987	-	-	(D)	(D)	-	(D)	-	(D)
Soybeans	farms, 1987	-	-	-	-	-	-	-	-
	$1,000, 1987	-	-	-	-	-	-	-	-
Sorghum, barley, and oats	farms, 1987	-	-	-	-	-	1	1	1
	$1,000, 1987	-	-	-	-	-	(D)	(D)	(D)
Cotton	farms, 1987	-	-	-	-	-	-	-	-
	$1,000, 1987	-	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey	farms, 1987	-	-	4	4	2	1	2	3
	$1,000, 1987	-	-	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

Table 4. Net Cash Return From Agricultural Sales, Government Payments, Other Farm-Related Income, and Commodity Credit Corporation Loans: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
NET CASH RETURN								
Net cash return from agricultural sales for the farm unit (see text)[1] ...farms, 1987..	84	133	1 472	293	31	1 124	1 092	880
$1,000, 1987..	576	300	30 571	1 621	-14	9 161	6 134	3 071
Average per farm...dollars, 1987..	6 859	2 254	20 768	5 533	-439	6 433	5 618	3 489
Farms with net gains[2]...number, 1987..	47	64	752	120	9	756	409	394
$1,000, 1987..	759	624	35 964	2 487	72	13 480	9 572	6 934
Average per farm...dollars, 1987..	16 158	9 744	47 824	20 721	8 044	17 831	23 404	17 598
Farms with net losses...number, 1987..	37	69	720	173	22	668	683	486
$1,000, 1987..	183	324	5 393	865	86	4 319	3 438	3 863
Average per farm...dollars, 1987..	4 953	4 692	7 490	5 003	3 909	6 466	5 033	7 949
GOVERNMENT PAYMENTS								
Total received...farms, 1987..	11	48	436	38	5	675	248	479
$1,000, 1987..	201	133	3 688	403	11	7 124	3 104	8 477
Average per farm...dollars, 1987..	18 259	2 775	8 460	10 602	2 248	10 553	12 517	17 697
Amount received in cash...farms, 1987..	11	34	389	27	3	540	222	442
$1,000, 1987..	189	61	1 915	310	(D)	2 933	1 592	4 322
Value of commodity certificates received...farms, 1987..	5	39	395	35	2	628	228	444
$1,000, 1987..	12	73	1 774	93	(D)	4 191	1 512	4 154
OTHER FARM-RELATED INCOME								
Gross before taxes and expenses[1]...farms, 1987..	13	25	348	70	4	287	170	234
$1,000, 1987..	62	61	1 375	135	25	832	483	1 205
Average per farm...dollars, 1987..	4 760	2 460	3 951	1 922	6 345	2 900	2 841	5 150
Customwork and other agricultural services[3]...farms, 1987..	4	5	166	22	2	83	50	129
1982..	7	7	95	18	2	117	69	110
$1,000, 1987..	3	5	614	41	(D)	292	249	652
1982..	6	7	425	12	(D)	305	95	526
Rental of farmland...farms, 1987..	2	-	116	24	2	117	49	68
$1,000, 1987..	(D)	-	158	48	(D)	430	111	418
Sales of forest products and Christmas trees...farms, 1987..	8	11	14	18	3	23	25	19
$1,000, 1987..	52	50	355	43	11	49	54	43
Other farm-related income sources...farms, 1987..	3	9	124	8	2	82	81	55
$1,000, 1987..	(D)	7	248	3	(D)	61	69	92
COMMODITY CREDIT CORPORATION LOANS								
Total...farms, 1987..	2	8	141	9	-	240	96	231
1982..	-	2	50	-	1	111	52	131
$1,000, 1987..	(D)	56	3 026	71	-	5 378	2 253	7 212
1982..	-	(D)	2 563	-	(D)	2 978	2 937	5 650
Corn...farms, 1987..	1	6	139	5	-	225	86	229
$1,000, 1987..	(D)	(D)	3 002	51	-	3 696	1 958	6 730
Wheat...farms, 1987..	-	1	5	1	-	18	4	5
$1,000, 1987..	-	(D)	(D)	(D)	-	(D)	(D)	(D)
Soybeans...farms, 1987..	-	-	-	-	-	46	17	27
$1,000, 1987..	-	-	-	-	-	1 474	274	468
Sorghum, barley, and oats...farms, 1987..	-	-	6	3	-	-	8	1
$1,000, 1987..	-	-	10	3	-	-	12	(D)
Cotton...farms, 1987..	-	-	-	-	-	-	-	-
$1,000, 1987..	-	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey...farms, 1987..	1	1	2	2	-	4	1	-
$1,000, 1987..	(D)	(D)	(D)	(D)	-	(D)	(D)	-

See footnotes at end of table.

Table 4. Net Cash Return From Agricultural Sales, Government Payments, Other Farm-Related Income, and Commodity Credit Corporation Loans: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
NET CASH RETURN									
Net cash return from agricultural sales for the farm unit (see text)[1]	farms, 1987	1 559	52	1 160	1 206	1 277	1 222	334	178
	$1,000, 1987	16 947	(D)	2 250	10 915	10 804	-484	2 842	895
Average per farm	dollars, 1987	10 871	(D)	1 940	9 051	8 461	-396	8 509	5 028
Farms with net gains[2]	number, 1987	839	23	442	603	600	342	134	66
	$1,000, 1987	22 140	(D)	7 265	14 928	15 266	7 138	4 015	1 248
Average per farm	dollars, 1987	26 388	(D)	16 438	24 756	25 443	20 870	29 963	18 903
Farms with net losses	number, 1987	720	29	718	603	677	880	200	112
	$1,000, 1987	5 192	(D)	5 014	4 013	4 462	7 622	1 173	353
Average per farm	dollars, 1987	7 212	(D)	6 983	6 655	6 590	8 662	5 864	3 149
GOVERNMENT PAYMENTS									
Total received	farms, 1987	846	11	505	634	314	485	16	55
	$1,000, 1987	11 480	33	4 536	9 647	3 830	5 015	287	260
Average per farm	dollars, 1987	13 570	2 973	8 982	15 216	12 199	10 341	17 917	4 729
Amount received in cash	farms, 1987	736	2	446	555	278	431	12	50
	$1,000, 1987	5 429	(D)	2 102	4 327	1 751	2 538	136	154
Value of commodity certificates received	farms, 1987	782	10	457	587	281	426	12	39
	$1,000, 1987	6 051	(D)	2 434	5 321	2 079	2 478	151	106
OTHER FARM-RELATED INCOME									
Gross before taxes and expenses[1]	farms, 1987	369	8	254	348	334	256	55	22
	$1,000, 1987	927	10	647	1 593	1 467	652	76	20
Average per farm	dollars, 1987	2 511	1 225	2 548	4 578	4 392	2 547	1 390	905
Customwork and other agricultural services[3]	farms, 1987	142	1	133	152	112	94	26	8
	1982	151	3	92	124	127	91	12	12
	$1,000, 1987	432	(D)	431	564	539	244	14	1
	1982	398	(D)	189	294	770	282	13	10
Rental of farmland	farms, 1987	162	1	105	123	108	99	22	-
	$1,000, 1987	322	(D)	100	712	179	202	52	-
Sales of forest products and Christmas trees	farms, 1987	28	7	17	17	34	60	-	8
	$1,000, 1987	44	(D)	47	52	66	104	-	17
Other farm-related income sources	farms, 1987	101	-	34	119	151	41	7	10
	$1,000, 1987	129	-	70	265	683	103	10	2
COMMODITY CREDIT CORPORATION LOANS									
Total	farms, 1987	334	-	170	285	124	177	6	9
	1982	149	1	128	96	85	75	4	4
	$1,000, 1987	7 946	-	2 666	6 782	3 374	3 435	337	49
	1982	5 731	(D)	2 848	5 729	4 238	2 670	44	34
Corn	farms, 1987	317	-	149	257	124	170	5	4
	$1,000, 1987	6 822	-	2 085	6 322	3 074	3 149	(D)	15
Wheat	farms, 1987	30	-	14	26	1	22	-	-
	$1,000, 1987	167	-	25	128	(D)	109	-	-
Soybeans	farms, 1987	25	-	32	14	4	8	-	-
	$1,000, 1987	864	-	545	298	(D)	168	-	-
Sorghum, barley, and oats	farms, 1987	31	-	12	10	-	5	-	1
	$1,000, 1987	(D)	-	12	13	-	3	-	(D)
Cotton	farms, 1987	-	-	-	-	-	-	-	-
	$1,000, 1987	-	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey	farms, 1987	1	-	-	7	-	3	1	4
	$1,000, 1987	(D)	-	-	23	-	7	(D)	(D)

[1] Data are based on a sample of farms.

[2] Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains.

[3] Data for 1987 are based on a sample of farms; data for 1982 are nonsample.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
FARMS AND LAND IN FARMS								
Farms	number, 1987	51 172	229	63	1 634	424	248	332
	1982	58 661	295	76	1 831	442	279	377
Land in farms	acres, 1987	10 316 861	43 436	16 140	253 646	82 201	55 114	89 470
	1982	10 942 172	53 183	17 700	266 977	80 773	63 157	90 497
Average size of farm	acres, 1987	202	190	256	155	194	222	269
	1982	187	180	233	146	183	226	240
Value of land and buildings[1]:								
Average per farm	dollars, 1987	196 065	90 751	104 095	184 433	131 278	182 608	203 569
	1982	228 238	117 159	123 053	191 761	125 059	194 405	245 541
Average per acre	dollars, 1987	971	558	406	1 162	645	799	779
	1982	1 223	633	528	1 313	679	906	1 075
Approximate land area	acres, 1987	36 450 534	434 566	583 462	532 512	363 193	307 308	235 136
Proportion in farms	percent, 1987	28.3	10.0	2.8	47.6	22.6	17.9	38.1
1987 size of farm:								
1 to 9 acres	farms	2 866	7	4	134	12	11	8
	acres	11 310	27	22	499	37	34	30
10 to 49 acres	farms	12 174	22	5	442	55	42	46
	acres	341 440	716	177	12 546	1 852	1 235	1 395
50 to 69 acres	farms	3 667	15	5	146	12	19	14
	acres	213 964	917	320	8 449	705	1 116	821
70 to 99 acres	farms	6 467	51	8	216	75	34	43
	acres	528 075	4 163	(D)	17 576	6 087	2 772	3 475
100 to 139 acres	farms	5 478	30	2	178	70	30	34
	acres	639 538	3 454	(D)	20 411	8 319	3 514	3 987
140 to 179 acres	farms	4 167	23	10	123	43	27	34
	acres	655 973	3 568	1 508	19 307	6 808	4 262	5 476
180 to 219 acres	farms	2 833	21	3	73	37	14	23
	acres	558 251	4 101	600	14 233	7 231	2 773	4 504
220 to 259 acres	farms	2 222	11	6	69	25	14	24
	acres	528 044	2 607	1 435	16 453	5 955	3 244	5 639
260 to 499 acres	farms	6 274	33	9	157	68	31	59
	acres	2 227 223	11 118	3 [illegible]72	55 927	23 501	10 802	21 032
500 to 999 acres	farms	3 667	13	10	71	23	15	35
	acres	2 494 662	8 485	(D)	47 769	15 229	9 847	24 359
1,000 to 1,999 acres	farms	1 134	2	1	21	3	10	11
	acres	1 477 808	(D)	(D)	27 358	(D)	(D)	(D)
2,000 acres or more	farms	223	1	-	4	1	1	1
	acres	640 573	(D)	-	13 118	(D)	(D)	(D)
1982 size of farm:								
1 to 9 acres	farms	2 714	4	1	122	2	14	6
	acres	11 720	18	(D)	527	(D)	47	24
10 to 49 acres	farms	14 300	43	10	522	68	36	61
	acres	406 101	1 577	355	15 071	2 153	1 143	1 940
50 to 69 acres	farms	4 388	18	1	172	26	23	22
	acres	256 149	1 065	(D)	10 143	1 590	1 321	1 276
70 to 99 acres	farms	7 712	58	12	262	65	38	45
	acres	629 467	4 718	94[illegible]	21 530	5 331	3 083	3 489
100 to 139 acres	farms	6 398	36	11	199	72	37	49
	acres	747 096	4 305	1 291	23 023	8 412	4 266	5 888
140 to 179 acres	farms	4 838	33	8	137	58	34	36
	acres	762 308	5 075	1 255	21 503	9 291	5 437	5 629
180 to 219 acres	farms	3 508	27	6	82	31	23	23
	acres	692 065	5 416	1 146	16 403	6 094	4 656	4 500
220 to 259 acres	farms	2 671	19	5	57	25	13	26
	acres	633 813	4 536	1 191	13 604	5 896	3 076	6 272
260 to 499 acres	farms	7 360	41	10	185	61	30	70
	acres	2 605 043	13 758	3 689	65 164	20 103	11 434	24 429
500 to 999 acres	farms	3 672	12	[illegible]	75	32	19	23
	acres	2 466 606	8 061	6 7[illegible]	50 024	19 161	11 429	15 236
1,000 to 1,999 acres	farms	924	4	[illegible]	15	2	11	14
	acres	1 190 276	4 654	(D)	20 263	(D)	(D)	(D)
2,000 acres or more	farms	176	-	-	3	-	1	2
	acres	535 528	-	-	9 722	-	(D)	(D)
LAND IN FARMS ACCORDING TO USE								
Total cropland	farms, 1987	48 653	213	61	1 518	413	227	320
	1982	56 321	265	75	1 743	438	263	368
	acres, 1987	8 181 320	28 573	9 426	205 385	54 767	34 493	69 511
	1982	8 458 021	34 297	9 881	215 099	50 204	39 636	68 355
Harvested cropland	farms, 1987	46 017	184	59	1 431	388	204	312
	1982	53 738	268	73	1 637	418	241	354
	acres, 1987	6 172 468	14 390	6 209	147 135	34 589	24 329	52 407
	1982	7 255 909	19 700	6 469	185 981	34 934	28 831	58 698
Cropland used only for pasture or grazing	farms, 1987	16 096	131	38	480	219	81	80
	1982	18 410	169	39	583	232	123	91
	acres, 1987	518 589	9 628	2 330	10 221	10 259	3 692	3 207
	1982	566 151	11 144	2 287	11 837	8 663	6 224	3 791
Other cropland	farms, 1987	27 660	99	21	900	227	113	203
	1982	20 911	108	28	684	225	114	158
	acres, 1987	1 490 263	4 555	887	48 029	9 919	6 472	13 897
	1982	635 961	3 453	925	17 281	6 607	4 581	5 866
Cropland in cover crops, legumes, and soil-improvement grasses, not harvested and not pastured	farms, 1987	10 093	36	7	274	105	43	67
	1982	5 475	28	7	195	57	40	27
	acres, 1987	440 552	923	(D)	12 149	3 581	2 429	3 072
	1982	132 931	454	(D)	3 836	806	1 460	1 102

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
FARMS AND LAND IN FARMS								
Farms	number, 1987	57	908	922	149	1 479	1 034	1 166
	1982	74	1 061	1 072	184	1 777	1 170	1 281
Land in farms	acres, 1987	13 902	166 493	177 185	23 966	179 660	227 375	253 383
	1982	16 827	188 096	180 152	26 120	189 912	243 076	266 660
Average size of farm	acres, 1987	244	186	192	161	121	220	217
	1982	227	177	168	142	107	208	208
Value of land and buildings[1]:								
Average per farm	dollars, 1987	95 070	167 471	233 235	133 966	148 279	171 692	151 013
	1982	89 027	155 266	336 182	154 750	156 068	204 686	200 959
Average per acre	dollars, 1987	390	909	1 184	821	1 167	786	717
	1982	392	885	1 954	1 112	1 501	1 000	970
Approximate land area	acres, 1987	576 512	358 457	286 272	206 227	368 704	325 139	455 360
Proportion in farms	percent, 1987	2.4	47.0	61.9	11.6	48.7	69.9	55.6
1987 size of farm:								
1 to 9 acres	farms	1	35	52	6	139	64	34
	acres	(D)	104	204	33	702	225	109
10 to 49 acres	farms	6	194	205	35	606	206	231
	acres	(D)	5 714	6 155	967	16 053	6 437	6 915
50 to 69 acres	farms	2	70	88	14	131	55	87
	acres	(D)	4 096	5 [illegible]46	810	7 709	3 160	5 080
70 to 99 acres	farms	8	151	133	29	137	144	162
	acres	(D)	12 420	10 826	2 373	11 269	11 870	13 143
100 to 139 acres	farms	9	114	102	16	125	122	137
	acres	1 019	13 317	11 835	1 943	14 769	14 250	16 225
140 to 179 acres	farms	3	79	71	7	90	88	106
	acres	467	1[illegible] 485	11 276	1 079	14 239	13 985	16 856
180 to 219 acres	farms	5	44	51	8	47	62	78
	acres	(D)	8 697	9 957	1 552	9 285	12 092	15 493
220 to 259 acres	farms	2	46	33	5	45	37	51
	acres	(D)	11 140	7 763	1 212	10 710	8 886	12 026
260 to 499 acres	farms	15	97	101	18	90	127	148
	acres	5 404	33 916	36 206	6 409	32 063	45 773	52 254
500 to 999 acres	farms	5	60	61	10	50	99	102
	acres	(D)	41 027	40 508	(D)	33 546	66 801	71 944
1,000 to 1,999 acres	farms	1	15	21	1	16	26	27
	acres	(D)	16 690	28 048	(D)	22 891	32 298	35 350
2,000 acres or more	farms	-	3	4	-	3	4	3
	acres	-	8 887	9 161	-	6 424	11 598	7 988
1982 size of farm:								
1 to 9 acres	farms	-	29	57	7	143	42	41
	acres	-	101	233	36	710	149	161
10 to 49 acres	farms	5	235	254	51	793	235	276
	acres	180	7 125	7 327	1 304	20 899	7 403	8 119
50 to 69 acres	farms	4	96	85	22	171	83	100
	acres	220	5 553	5 102	1 257	9 945	4 731	5 845
70 to 99 acres	farms	17	149	163	31	183	170	162
	acres	1 389	12 192	13 314	2 546	15 052	13 986	13 331
100 to 139 acres	farms	9	139	132	16	129	134	138
	acres	1 064	16 057	15 341	1 865	14 920	15 759	16 269
140 to 179 acres	farms	12	105	94	11	90	121	126
	acres	1 897	16 480	14 758	1 723	14 302	19 064	19 856
180 to 219 acres	farms	4	55	53	13	51	64	78
	acres	782	11 014	10 413	2 541	10 051	12 577	15 430
220 to 259 acres	farms	3	51	45	7	47	47	63
	acres	732	12 044	10 545	1 690	11 268	11 126	14 808
260 to 499 acres	farms	11	119	114	16	105	152	178
	acres	4 071	42 853	40 492	5 917	37 197	54 785	64 539
500 to 999 acres	farms	6	72	58	9	49	97	92
	acres	(D)	48 330	39 338	(D)	32 867	66 298	62 808
1,000 to 1,999 acres	farms	1	9	16	1	16	21	22
	acres	(D)	(D)	(D)	(D)	22 701	27 903	26 678
2,000 acres or more	farms	-	2	1	-	-	4	5
	acres	-	(D)	(D)	-	-	9 295	18 836
LAND IN FARMS ACCORDING TO USE								
Total cropland	farms, 1987	56	866	901	140	1 433	978	1 118
	1982	73	1 012	1 042	176	1 736	1 127	1 228
	acres, 1987	7 447	128 641	161 157	12 665	150 082	179 034	193 816
	1982	7 823	136 505	161 143	13 349	152 411	186 466	206 938
Harvested cropland	farms, 1987	56	797	883	129	1 381	937	1 057
	1982	73	955	1 020	172	1 602	1 090	1 175
	acres, 1987	4 360	83 610	136 207	7 778	114 106	127 157	132 224
	1982	4 807	110 001	151 933	8 290	130 186	167 060	177 204
Cropland used only for pasture or grazing	farms, 1987	36	426	69	36	251	302	435
	1982	49	425	69	50	312	322	514
	acres, 1987	2 042	13 791	2 341	1 064	4 496	7 860	13 895
	1982	2 006	11 441	1 789	1 862	5 793	8 645	16 176
Other cropland	farms, 1987	20	501	492	84	825	692	724
	1982	26	446	225	96	795	416	492
	acres, 1987	1 045	31 240	22 609	3 823	31 480	44 017	47 697
	1982	1 010	15 063	7 421	3 197	16 432	10 761	13 558
Cropland in cover crops, legumes, and soil improvement grasses, not harvested and not pastured	farms, 1987	9	202	195	36	294	302	312
	1982	3	131	42	28	255	123	131
	acres, 1987	245	9 184	9 135	873	9 960	15 827	15 787
	1982	11	3 142	890	782	4 098	2 195	2 828

See footnotes at end of table.

Table 5. Farms, Land in Farms, and Land Use: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
FARMS AND LAND IN FARMS							
Farms number, 1987	839	232	171	338	298	1 333	20
1982	1 022	256	197	378	317	1 518	18
Land in farms acres, 1987	194 464	41 812	42 363	89 168	67 824	256 811	1 450
1982	198 663	47 049	46 088	99 182	76 351	266 736	1 604
Average size of farm acres, 1987	232	180	248	264	228	193	73
1982	194	184	234	262	241	176	89
Value of land and buildings[1]:							
Average per farm dollars, 1987	225 368	130 552	140 436	92 444	154 661	183 236	90 400
1982	239 684	170 008	107 949	112 283	183 722	210 452	102 833
Average per acre dollars, 1987	948	739	597	387	674	937	1 247
1982	1 193	822	471	460	757	1 176	1 154
Approximate land area acres, 1987	317 560	269 433	460 321	1 017 728	364 819	366 764	357 657
Proportion in farms percent, 1987	61.2	15.5	9.2	8.8	18.6	70.0	.4
1987 size of farm:							
1 to 9 acres farms	50	9	3	6	11	58	1
acres	194	31	12	19	22	227	(D)
10 to 49 acres farms	195	52	29	20	50	279	8
acres	5 331	1 529	920	644	1 685	8 181	225
50 to 69 acres farms	61	10	19	16	13	83	2
acres	3 602	595	1 091	928	763	4 821	(D)
70 to 99 acres farms	100	34	15	36	42	204	4
acres	8 172	2 777	1 186	2 863	3 428	16 600	(D)
100 to 139 acres farms	77	28	15	44	38	158	3
acres	9 095	3 222	1 743	5 076	4 415	18 299	(D)
140 to 179 acres farms	60	25	17	43	41	145	1
acres	9 492	3 908	2 613	6 676	6 414	23 065	(D)
180 to 219 acres farms	48	17	13	27	22	89	-
acres	9 328	3 356	2 536	5 264	4 259	17 516	-
220 to 259 acres farms	41	8	10	22	19	56	-
acres	9 704	1 885	2 412	5 180	4 505	13 381	-
260 to 499 acres farms	101	32	25	78	31	156	1
acres	35 173	10 616	8 863	27 964	12 317	56 418	(D)
500 to 999 acres farms	72	14	19	39	25	74	-
acres	49 084	10 201	12 982	25 780	18 191	48 458	-
1,000 to 1,999 acres farms	30	3	5	6	4	24	-
acres	39 060	3 692	(D)	(D)	(D)	30 468	-
2,000 acres or more farms	4	-	1	1	2	7	-
acres	16 229	-	(D)	(D)	(D)	19 377	-
1982 size of farm:							
1 to 9 acres farms	48	7	3	2	11	53	1
acres	224	29	10	(D)	26	234	(D)
10 to 49 acres farms	254	51	30	31	48	330	7
acres	6 934	1 617	996	(D)	1 502	9 530	203
50 to 69 acres farms	88	19	9	10	17	108	2
acres	5 103	1 112	512	606	1 009	6 314	(D)
70 to 99 acres farms	122	39	30	53	44	240	2
acres	10 095	3 219	2 394	4 314	3 628	19 501	(D)
100 to 139 acres farms	91	34	17	42	33	179	1
acres	10 670	4 013	2 067	4 757	3 829	20 729	(D)
140 to 179 acres farms	76	17	20	48	40	157	2
acres	12 124	2 657	3 136	7 651	6 323	25 044	(D)
180 to 219 acres farms	64	13	16	29	13	99	2
acres	12 696	2 541	3 148	5 709	2 505	19 228	(D)
220 to 259 acres farms	53	16	14	18	28	66	-
acres	12 647	3 756	3 321	4 278	6 638	15 595	-
260 to 499 acres farms	129	45	36	94	44	191	1
acres	44 606	15 686	13 431	33 649	16 313	68 585	(D)
500 to 999 acres farms	78	11	18	46	32	74	-
acres	50 692	7 891	12 156	30 944	21 103	48 607	-
1,000 to 1,999 acres farms	17	4	4	5	4	16	-
acres	(D)	4 528	4 917	6 248	5 070	20 499	-
2,000 acres or more farms	2	-	-	-	3	5	-
acres	(D)	-	-	-	8 405	12 870	-
LAND IN FARMS ACCORDING TO USE							
Total cropland farms, 1987	782	215	163	325	280	1 289	19
1982	970	248	188	371	301	1 462	17
acres, 1987	151 655	24 558	25 803	65 394	47 994	219 621	(D)
1982	152 476	27 549	27 316	70 475	50 215	221 314	827
Harvested cropland farms, 1987	732	196	150	311	260	1 246	16
1982	913	228	176	352	275	1 425	16
acres, 1987	108 530	15 537	15 973	41 351	28 462	175 630	(D)
1982	129 918	19 171	16 206	45 462	33 519	200 167	(D)
Cropland used only for pasture or grazing farms, 1987	322	121	103	195	155	316	12
1982	396	135	123	235	161	407	10
acres, 1987	12 857	5 509	7 664	14 190	12 434	7 081	(D)
1982	13 387	6 221	8 760	13 676	12 151	8 207	(D)
Other cropland farms, 1987	477	103	55	146	120	838	11
1982	354	87	67	217	120	578	9
acres, 1987	30 268	3 512	2 166	9 853	7 098	36 910	(D)
1982	9 171	2 157	2 348	11 337	4 545	12 940	260
Cropland in cover crops, legumes, and soil-improvement grasses, not harvested and not pastured farms, 1987	219	32	16	42	39	325	4
1982	104	23	21	44	35	151	4
acres, 1987	12 779	1 461	876	2 380	1 367	12 941	76
1982	2 619	480	313	1 526	1 163	2 712	(D)

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
FARMS AND LAND IN FARMS							
Farms .... number, 1987	271	109	1 219	211	851	411	58
1982	315	123	1 372	253	990	433	82
Land in farms .... acres, 1987	73 981	28 967	233 517	44 850	145 269	68 285	5 936
1982	81 335	32 576	244 551	47 865	160 825	74 013	10 889
Average size of farm .... acres, 1987	273	266	192	213	171	166	102
1982	258	265	178	189	162	171	133
Value of land and buildings[1]:							
Average per farm .... dollars, 1987	116 852	153 064	161 762	156 156	198 105	112 221	(D)
1982	124 870	147 081	217 948	157 158	216 244	140 991	65 012
Average per acre .... dollars, 1987	420	548	867	754	1 225	723	(D)
1982	423	546	1 178	773	1 277	805	490
Approximate land area .... acres, 1987	750 880	492 972	370 745	299 436	410 592	323 417	707 296
Proportion in farms .... percent, 1987	9.9	5.9	63.0	15.0	35.4	21.1	.8
1987 size of farm:							
1 to 9 acres .... farms	9	6	51	11	52	13	2
acres	27	29	213	33	192	23	(D)
10 to 49 acres .... farms	29	19	315	33	320	64	12
acres	989	604	8 540	1 172	8 465	2 230	(D)
50 to 69 acres .... farms	15	4	92	8	78	25	10
acres	885	249	5 371	485	4 551	1 446	578
70 to 99 acres .... farms	25	4	157	33	99	81	11
acres	2 086	329	12 852	2 655	8 067	6 571	897
100 to 139 acres .... farms	27	5	137	21	69	60	8
acres	3 229	523	16 080	2 335	7 885	6 973	949
140 to 179 acres .... farms	28	10	78	27	53	51	7
acres	4 395	1 528	12 345	4 283	8 208	7 937	1 091
180 to 219 acres .... farms	27	6	76	15	29	19	3
acres	5 394	1 165	14 977	2 906	5 701	3 687	582
220 to 259 acres .... farms	16	12	49	7	26	30	2
acres	3 742	2 758	11 874	1 607	6 566	7 006	(D)
260 to 499 acres .... farms	55	28	156	38	58	45	3
acres	19 921	10 290	55 706	13 653	20 654	15 889	(D)
500 to 999 acres .... farms	33	13	76	13	36	20	-
acres	22 105	(D)	50 983	8 926	27 149	12 857	-
1,000 to 1,999 acres .... farms	5	2	29	4	23	3	-
acres	(D)	(D)	36 551	(D)	30 064	3 664	-
2,000 acres or more .... farms	2	-	3	1	6	-	-
acres	(D)	-	8 023	(D)	17 767	-	-
1982 size of farm:							
1 to 9 acres .... farms	4	7	60	10	55	10	1
acres	16	25	254	36	226	14	(D)
10 to 49 acres .... farms	30	16	355	43	335	73	16
acres	991	544	10 394	1 277	9 113	2 366	(D)
50 to 69 acres .... farms	10	5	110	16	90	28	11
acres	549	288	6 435	934	5 218	1 654	665
70 to 99 acres .... farms	37	9	197	32	117	63	15
acres	3 041	729	16 025	2 639	9 606	5 056	1 220
100 to 139 acres .... farms	43	7	141	34	107	62	12
acres	5 032	852	16 794	3 927	12 483	7 369	1 356
140 to 179 acres .... farms	29	8	99	33	57	66	7
acres	4 640	1 285	15 394	5 182	8 955	10 266	1 112
180 to 219 acres .... farms	44	12	91	13	44	25	10
acres	8 703	2 410	17 974	2 559	8 738	4 921	2 035
220 to 259 acres .... farms	21	9	49	18	32	19	4
acres	4 941	2 077	11 641	4 307	7 708	4 522	974
260 to 499 acres .... farms	58	34	154	42	96	60	5
acres	20 881	12 475	53 393	15 204	33 583	20 052	(D)
500 to 999 acres .... farms	32	14	89	9	33	23	-
acres	21 536	(D)	58 463	6 275	22 069	14 537	-
1,000 to 1,999 acres .... farms	6	2	25	2	17	3	1
acres	(D)	(D)	(D)	(D)	22 158	3 214	(D)
2,000 acres or more .... farms	1	-	2	1	7	-	-
acres	(D)	-	(D)	(D)	20 966	-	-
LAND IN FARMS ACCORDING TO USE							
Total cropland .... farms, 1987	258	103	1 166	203	797	394	55
1982	299	117	1 306	243	956	414	77
acres, 1987	37 828	14 827	168 024	25 649	126 584	49 499	3 454
1982	40 222	16 395	192 572	25 909	134 134	52 844	5 382
Harvested cropland .... farms, 1987	242	94	1 117	189	744	366	52
1982	280	114	1 245	222	916	390	71
acres, 1987	25 500	10 132	139 369	16 124	96 319	30 587	2 233
1982	26 949	12 180	166 593	16 173	117 923	38 787	(D)
Cropland used only for pasture or grazing .... farms, 1987	159	63	417	126	224	206	34
1982	188	63	469	139	260	221	47
acres, 1987	7 411	2 714	11 239	6 079	4 544	8 524	810
1982	8 727	2 440	11 395	6 606	4 981	9 244	(D)
Other cropland .... farms, 1987	108	38	670	96	413	201	12
1982	118	46	459	111	363	189	21
acres, 1987	4 917	2 081	37 416	3 446	25 721	10 368	411
1982	4 546	1 775	14 584	3 130	11 230	4 813	424
Cropland in cover crops, legumes, and soil-improvement grasses, not harvested and not pastured .... farms, 1987	45	21	263	41	146	52	4
1982	27	17	94	33	75	32	7
acres, 1987	1 905	1 512	13 782	1 104	7 112	1 615	(D)
1982	828	976	1 818	785	1 597	534	(D)

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
FARMS AND LAND IN FARMS								
Farms .... number, 1987	447	1 011	1 142	147	1 390	960	1 089	215
1982	462	1 215	1 354	195	1 655	1 105	1 187	244
Land in farms .... acres, 1987	69 954	282 467	242 353	31 751	424 427	207 726	253 500	47 988
1982	74 148	288 828	264 630	35 538	434 975	222 742	242 776	57 463
Average size of farm .... acres, 1987	156	279	212	216	305	216	233	223
1982	160	238	195	182	263	202	205	236
Value of land and buildings[1]:								
Average per farm .... dollars, 1987	197 706	248 593	183 752	104 411	314 577	243 025	196 633	136 259
1982	233 675	362 160	241 991	89 210	424 587	262 235	201 496	175 029
Average per acre .... dollars, 1987	1 391	825	835	467	1 003	1 107	857	644
1982	1 451	1 592	1 169	479	1 566	1 323	1 025	590
Approximate land area .... acres, 1987	298 374	365 081	385 862	648 704	531 046	358 214	369 299	349 420
Proportion in farms .... percent, 1987	23.4	77.4	62.8	4.9	79.9	58.0	68.6	13.7
1987 size of farm:								
1 to 9 acres .... farms	36	50	47	-	89	65	55	5
acres	142	160	193	(D)	242	255	228	16
10 to 49 acres .... farms	122	169	248	21	142	291	190	31
acres	3 422	5 016	7 124	(D)	4 488	7 610	5 382	995
50 to 69 acres .... farms	36	59	98	9	43	76	68	12
acres	2 089	3 437	5 761	536	2 520	4 373	4 036	670
70 to 99 acres .... farms	6[illegible]	116	149	26	149	107	149	36
acres	5 4[illegible]3	9 575	12 235	2 104	12 035	8 764	12 330	2 874
100 to 139 acres .... farms	55	100	120	21	136	72	134	25
acres	6 433	11 612	14 048	2 566	16 027	8 548	15 680	2 897
140 to 179 acres .... farms	33	77	101	19	130	59	92	22
acres	5 182	11 978	16 024	2 999	20 420	9 228	14 397	3 501
180 to 219 acres .... farms	16	61	68	3	95	40	68	14
acres	3 171	12 089	13 381	581	18 749	7 949	13 486	2 790
220 to 259 acres .... farms	15	64	40	7	90	31	53	20
acres	3 561	15 139	9 436	1 614	21 178	7 391	12 626	4 768
260 to 499 acres .... farms	40	157	151	28	266	115	153	32
acres	13 553	57 665	53 598	9 296	96 236	40 571	55 411	11 035
500 to 999 acres .... farms	20	103	84	9	175	75	97	15
acres	14 277	72 699	59 039	5 532	119 304	50 102	65 508	10 227
1,000 to 1,999 acres .... farms	6	46	31	2	65	16	19	2
acres	(D)	60 099	39 946	(D)	88 439	22 398	24 427	(D)
2,000 acres or more .... farms	2	9	5	1	10	13	11	1
acres	(D)	22 998	11 568	(D)	24 789	40 537	29 989	(D)
1982 size of farm:								
1 to 9 acres .... farms	26	56	48	4	75	75	51	4
acres	133	212	201	4	234	280	222	17
10 to 49 acres .... farms	112	218	311	24	183	333	224	46
acres	3 072	6 569	9 314	794	5 411	8 728	6 797	1 518
50 to 69 acres .... farms	50	73	124	9	59	96	96	22
acres	2 926	4 290	7 256	538	3 504	5 558	5 614	1 239
70 to 99 acres .... farms	63	144	179	27	188	124	170	28
acres	5 242	11 695	14 560	2 177	15 248	10 092	13 791	2 278
100 to 139 acres .... farms	52	128	163	39	194	92	133	2[illegible]
acres	5 871	14 992	18 921	4 600	22 622	10 657	15 569	3 495
140 to 179 acres .... farms	36	97	95	21	171	80	97	28
acres	5 721	15 100	14 832	3 264	26 928	12 636	15 302	4 364
180 to 219 acres .... farms	33	68	80	13	136	41	87	19
acres	6 486	13 363	15 681	2 512	26 881	8 173	17 160	3 702
220 to 259 acres .... farms	13	58	58	12	118	44	71	14
acres	3 150	13 760	13 912	2 779	27 847	10 578	16 723	3 315
260 to 499 acres .... farms	46	213	168	39	315	113	156	36
acres	16 010	76 057	59 285	13 312	112 688	40 573	57 199	13 271
500 to 999 acres .... farms	22	125	100	6	158	75	80	15
acres	14 007	85 486	69 690	(D)	103 705	49 971	54 390	11 142
1,000 to 1,999 acres .... farms	9	33	27	1	51	20	16	1
acres	11 530	(D)	(D)	(D)	68 740	29 577	22 195	(D)
2,000 acres or more .... farms	-	2	1	-	7	12	6	2
acres	-	(D)	(D)	-	21 167	35 919	17 805	(D)
LAND IN FARMS ACCORDING TO USE								
Total cropland .... farms, 1987	417	972	1 089	145	1 314	912	1 046	207
1982	447	1 174	1 304	191	1 583	1 044	1 138	239
acres, 1987	50 180	249 668	196 210	16 168	383 583	172 277	207 677	26 892
1982	51 058	248 451	204 267	18 722	384 598	183 799	195 746	35 022
Harvested cropland .... farms, 1987	400	945	1 051	135	1 287	859	1 012	194
1982	425	1 142	1 246	182	1 556	976	1 098	228
acres, 1987	36 179	205 688	143 798	10 017	322 799	130 575	156 360	17 051
1982	39 072	236 505	186 636	10 021	358 724	160 037	173 200	25 756
Cropland used only for pasture or grazing .... farms, 1987	80	182	317	85	248	340	377	104
1982	120	201	381	105	353	340	371	113
acres, 1987	3 452	5 565	6 293	3 522	8 493	7 524	11 060	4 813
1982	4 988	4 887	7 393	4 507	10 912	7 800	9 348	5 778
Other cropland .... farms, 1987	235	603	723	71	834	484	676	114
1982	201	306	429	109	443	384	452	84
acres, 1987	10 549	38 415	46 119	2 629	52 291	34 178	40 257	5 028
1982	6 998	7 059	10 238	4 194	14 962	15 962	13 198	3 488
Cropland in cover crops, legumes, and soil-improvement grasses, not harvested and not pastured .... farms, 1987	67	253	312	27	323	152	226	37
1982	74	73	118	43	91	72	124	15
acres, 1987	1 931	11 378	13 753	687	15 795	7 969	9 284	1 585
1982	1 513	1 314	2 642	913	1 927	3 325	3 669	330

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
FARMS AND LAND IN FARMS									
Farms	number, 1987	95	912	1 103	842	89	1 368	2	111
	1982	98	1 016	1 242	961	91	1 524	4	123
Land in farms	acres, 1987	26 714	194 928	218 375	168 310	16 318	203 842	(D)	18 555
	1982	29 025	200 872	235 184	177 191	17 685	223 215	390	21 883
Average size of farm	acres, 1987	281	214	198	200	183	149	(D)	167
	1982	296	198	189	184	194	146	98	178
Value of land and buildings[1]: Average per farm	dollars, 1987	120 916	157 111	174 618	234 532	127 281	202 820	(D)	117 613
	1982	137 653	192 317	196 427	243 226	152 626	208 033	66 500	104 268
Average per acre	dollars, 1987	430	680	871	1 235	694	1 274	(D)	607
	1982	465	982	1 068	1 297	785	1 441	682	604
Approximate land area	acres, 1987	744 371	369 017	450 995	359 660	360 294	551 532	347 827	383 372
Proportion in farms	percent, 1987	3.6	52.8	48.4	46.8	4.5	37.0	(D)	5.1
1987 size of farm: 1 to 9 acres	farms	1	32	52	91	2	126	–	1
	acres	(D)	102	223	384	(D)	543	–	(D)
10 to 49 acres	farms	9	161	285	261	17	430	2	27
	acres	(D)	5 048	7 885	6 981	(D)	11 129	(D)	(D)
50 to 69 acres	farms	2	48	119	55	5	122	–	3
	acres	(D)	2 738	6 991	3 240	282	7 105	–	170
70 to 99 acres	farms	17	122	125	96	15	146	–	21
	acres	(D)	9 736	10 328	7 846	1 287	12 241	–	1 758
100 to 139 acres	farms	14	113	127	57	6	137	–	12
	acres	1 573	13 058	14 975	6 605	721	15 813	–	1 407
140 to 179 acres	farms	8	92	76	57	10	84	–	15
	acres	1 269	14 437	11 994	8 996	1 563	13 203	–	2 375
180 to 219 acres	farms	7	59	60	40	3	68	–	7
	acres	1 340	11 652	11 973	7 880	581	13 473	–	1 428
220 to 259 acres	farms	6	39	38	27	10	38	–	3
	acres	1 409	9 269	9 313	6 301	2 336	9 142	–	725
260 to 499 acres	farms	16	152	119	70	16	128	–	16
	acres	5 487	55 057	41 084	25 010	5 115	43 950	–	5 437
500 to 999 acres	farms	9	75	68	54	4	62	–	5
	acres	5 927	49 639	45 368	(D)	(D)	43 005	–	(D)
1,000 to 1,999 acres	farms	6	19	25	26	1	27	–	1
	acres	7 943	24 192	31 525	(D)	(D)	34 238	–	(D)
2,000 acres or more	farms	–	–	8	8	–	–	–	–
	acres	–	–	26 716	(D)	–	–	–	–
1982 size of farm: 1 to 9 acres	farms	–	27	38	65	2	110	–	3
	acres	–	102	167	402	(D)	547	–	10
10 to 49 acres	farms	13	193	351	303	16	455	1	23
	acres	473	6 188	9 717	8 488	(D)	11 542	(D)	857
50 to 69 acres	farms	6	49	114	67	9	140	–	4
	acres	319	2 869	6 627	3 965	535	8 231	–	230
70 to 99 acres	farms	7	150	168	113	12	187	–	20
	acres	591	12 077	13 709	9 312	1 024	15 274	–	1 648
100 to 139 acres	farms	13	144	152	86	6	154	3	16
	acres	1 519	17 050	18 067	9 895	691	18 121	(D)	1 820
140 to 179 acres	farms	11	89	101	55	9	103	–	12
	acres	1 694	14 084	15 901	8 599	1 434	16 194	–	1 924
180 to 219 acres	farms	9	73	68	46	4	83	–	10
	acres	1 747	14 343	13 452	8 982	806	16 367	–	2 029
220 to 259 acres	farms	5	48	37	33	10	69	–	7
	acres	1 157	11 361	8 755	7 857	2 295	16 382	–	1 676
260 to 499 acres	farms	19	158	119	89	16	135	–	21
	acres	6 695	57 253	42 685	32 361	5 298	47 130	–	7 042
500 to 999 acres	farms	9	67	60	55	7	65	–	7
	acres	6 623	44 380	40 275	40 545	5 053	42 723	–	4 847
1,000 to 1,999 acres	farms	6	18	24	21	–	20	–	–
	acres	8 207	21 165	31 777	25 916	–	24 006	–	–
2,000 acres or more	farms	–	–	10	8	–	3	–	–
	acres	–	–	34 052	20 869	–	6 698	–	–
LAND IN FARMS ACCORDING TO USE									
Total cropland	farms, 1987	90	872	1 029	805	86	1 268	2	107
	1982	92	981	1 204	916	87	1 443	4	120
	acres, 1987	10 885	158 954	160 981	132 533	10 741	163 275	(D)	11 004
	1982	12 896	159 774	172 702	140 502	11 820	172 801	150	11 916
Harvested cropland	farms, 1987	86	831	959	730	81	1 175	2	98
	1982	89	947	1 145	867	75	1 360	1	105
	acres, 1987	7 251	122 657	112 986	94 047	5 801	121 233	(D)	6 030
	1982	6 551	138 700	147 343	119 609	8 143	146 441	(D)	7 529
Cropland used only for pasture or grazing	farms, 1987	49	317	372	256	37	433	1	74
	1982	47	317	433	270	39	566	3	78
	acres, 1987	2 529	10 399	9 960	6 136	1 027	11 839	(D)	2 988
	1982	2 886	10 034	10 960	6 317	1 401	13 691	(D)	3 023
Other cropland	farms, 1987	24	515	629	466	62	661	–	51
	1982	31	354	461	332	52	515	3	50
	acres, 1987	1 105	25 898	38 035	32 350	3 913	30 203	–	1 986
	1982	1 459	11 040	14 399	14 576	2 276	12 669	75	1 364
Cropland in cover crops, legumes, and soil-improvement grasses, not harvested and not pastured	farms, 1987	7	180	227	164	31	244	–	16
	1982	12	53	135	110	18	136	1	19
	acres, 1987	414	6 899	10 870	8 814	1 370	8 705	–	663
	1982	(D)	1 212	3 429	3 726	422	2 944	(D)	296

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
FARMS AND LAND IN FARMS								
Farms number, 1987	1 228	394	1 387	789	34	80	667	280
1982	1 361	429	1 619	884	30	96	819	304
Land in farms acres, 1987	218 779	65 482	344 801	128 511	10 637	24 583	79 683	46 747
1982	225 945	72 455	376 298	137 918	10 813	31 120	91 222	49 377
Average size of farm acres, 1987	178	166	249	163	313	307	119	167
1982	166	169	232	156	360	324	111	162
Value of land and buildings[1]:								
Average per farm dollars, 1987	212 324	274 972	297 357	221 727	138 735	119 413	232 754	133 804
1982	218 672	265 969	343 484	205 606	162 400	127 167	222 825	135 592
Average per acre dollars, 1987	1 121	1 617	1 190	1 329	443	389	2 017	799
1982	1 351	1 493	1 479	1 392	451	392	1 952	907
Approximate land area acres, 1987	421 145	218 489	481 625	367 571	578 854	656 313	308 748	347 430
Proportion in farms percent, 1987	51.9	30.0	71.6	35.0	1.8	3.7	25.8	13.5
1987 size of farm:								
1 to 9 acres farms	73	19	81	44	1	1	81	9
acres	288	68	328	192	(D)	(D)	354	32
10 to 49 acres farms	397	63	277	288	4	6	233	71
acres	10 722	1 806	7 590	6 839	(D)	(D)	6 070	2 190
50 to 69 acres farms	94	39	105	68	-	2	57	16
acres	5 472	2 257	6 101	3 969	-	(D)	3 359	942
70 to 99 acres farms	156	55	134	80	4	16	89	42
acres	12 682	4 579	11 168	6 470	343	(D)	7 220	3 475
100 to 139 acres farms	97	58	160	63	4	5	51	38
acres	11 213	6 843	18 816	7 406	495	561	5 872	4 424
140 to 179 acres farms	90	45	118	53	4	10	41	29
acres	14 109	7 085	18 766	8 330	585	1 572	6 460	4 518
180 to 219 acres farms	44	33	82	36	2	3	27	14
acres	8 475	6 479	15 969	7 236	(D)	599	5 229	2 776
220 to 259 acres farms	46	20	54	25	-	4	12	7
acres	11 048	4 600	12 907	5 889	-	968	(D)	1 667
260 to 499 acres farms	135	42	152	64	9	19	45	41
acres	47 960	14 476	53 925	22 765	(D)	7 479	(D)	15 413
500 to 999 acres farms	66	14	160	47	4	11	23	9
acres	44 406	9 169	111 737	31 536	(D)	6 577	15 744	6 105
1,000 to 1,999 acres farms	21	6	59	20	2	2	7	4
acres	31 921	8 120	74 626	(D)	(D)	(D)	(D)	5 205
2,000 acres or more farms	9	-	5	1	-	1	1	-
acres	20 483	-	12 868	(D)	-	(D)	(D)	-
1982 size of farm:								
1 to 9 acres farms	54	16	77	52	-	1	80	8
acres	290	71	308	249	-	(D)	332	52
10 to 49 acres farms	420	75	377	305	1	6	301	67
acres	11 341	2 227	10 659	7 540	(D)	(D)	7 725	1 836
50 to 69 acres farms	108	38	122	91	-	-	80	24
acres	6 398	2 192	7 168	5 179	-	-	4 672	1 413
70 to 99 acres farms	184	65	173	85	4	15	93	46
acres	15 128	5 404	14 185	6 796	352	1 214	7 693	3 775
100 to 139 acres farms	140	54	166	80	1	8	65	52
acres	16 322	6 221	19 371	9 438	(D)	727	7 515	6 032
140 to 179 acres farms	107	54	118	60	6	12	55	27
acres	16 736	8 527	18 604	9 433	857	1 921	8 572	4 176
180 to 219 acres farms	60	40	96	35	1	4	31	17
acres	11 787	7 829	18 956	6 892	(D)	793	6 170	3 323
220 to 259 acres farms	56	18	64	28	1	5	28	8
acres	13 367	4 293	15 113	6 660	(D)	1 200	6 652	1 878
260 to 499 acres farms	149	44	219	76	9	32	58	43
acres	53 765	15 178	78 190	25 961	3 403	11 579	19 421	15 030
500 to 999 acres farms	54	20	151	55	5	11	26	7
acres	35 523	12 271	102 631	36 949	3 079	6 682	(D)	4 521
1,000 to 1,999 acres farms	23	3	43	16	2	3	1	5
acres	31 569	(D)	53 532	(D)	(D)	4 050	(D)	7 341
2,000 acres or more farms	6	2	13	1	-	1	1	-
acres	13 719	(D)	37 579	(D)	-	(D)	(D)	-
LAND IN FARMS ACCORDING TO USE								
Total cropland farms, 1987	1 153	377	1 318	734	34	80	639	273
1982	1 306	418	1 540	827	30	95	779	294
acres, 1987	175 050	39 218	310 342	99 835	5 787	14 635	68 255	29 246
1982	178 853	41 825	328 020	103 952	5 214	17 257	77 197	28 935
Harvested cropland farms, 1987	1 067	368	1 265	663	31	75	600	258
1982	1 219	408	1 490	753	29	91	751	279
acres, 1987	126 110	27 130	254 847	71 499	3 115	9 248	54 241	18 203
1982	147 303	31 464	310 907	85 977	3 543	12 218	68 048	18 637
Cropland used only for pasture or grazing farms, 1987	476	80	228	303	21	50	145	106
1982	524	90	242	343	8	61	163	104
acres, 1987	12 418	3 309	5 237	6 892	2 058	(D)	2 020	3 500
1982	12 713	4 307	6 877	8 189	658	3 941	2 738	3 593
Other cropland farms, 1987	616	221	821	365	12	37	334	175
1982	533	208	420	326	13	31	284	173
acres, 1987	36 522	8 779	50 258	21 444	814	(D)	11 994	7 543
1982	18 837	6 054	10 236	9 786	1 013	1 098	6 411	6 505
Cropland in cover crops, legumes, and soil-improvement grasses, not harvested and not pastured farms, 1987	209	93	209	98	3	7	83	73
1982	122	81	77	90	2	2	41	73
acres, 1987	8 103	2 095	9 689	4 975	(D)	404	2 522	2 207
1982	3 741	1 689	1 873	1 974	(D)	(D)	682	1 924

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
FARMS AND LAND IN FARMS									
Farms	number, 1987	101	426	639	374	459	304	1 258	980
	1982	125	492	684	458	502	343	1 458	1 132
Land in farms	acres, 1987	24 484	76 193	127 078	118 338	94 465	87 314	220 274	238 387
	1982	29 645	85 809	136 384	138 157	93 299	93 925	241 736	240 591
Average size of farm	acres, 1987	242	179	199	316	206	287	175	243
	1982	237	174	199	302	186	274	166	213
Value of land and buildings[1]: Average per farm	dollars, 1987	114 109	135 915	114 324	142 543	183 545	181 482	231 708	174 925
	1982	104 320	170 415	152 830	147 013	268 655	243 939	293 853	176 041
Average per acre	dollars, 1987	504	713	677	474	953	630	1 363	743
	1982	472	1 011	788	552	1 427	814	1 701	863
Approximate land area	acres, 1987	1 165 708	316 467	358 534	668 979	336 025	361 510	356 281	456 051
Proportion in farms	percent, 1987	2.1	24.1	35.4	17.7	28.1	24.2	61.8	52.3
1987 size of farm: 1 to 9 acres	farms	5	13	16	5	24	15	110	48
	acres	16	41	51	14	93	35	505	133
10 to 49 acres	farms	17	107	92	37	118	27	414	168
	acres	487	3 288	3 031	1 207	3 519	760	11 242	5 560
50 to 69 acres	farms	9	25	38	10	32	14	98	69
	acres	483	1 455	2 278	592	1 848	860	5 709	3 998
70 to 99 acres	farms	8	59	101	21	81	30	122	144
	acres	666	4 825	8 285	1 715	6 517	2 406	10 175	11 799
100 to 139 acres	farms	13	50	82	45	48	19	113	94
	acres	1 451	5 704	9 607	5 316	5 637	2 277	13 215	11 056
140 to 179 acres	farms	9	35	65	44	26	24	62	78
	acres	1 391	5 349	10 230	6 957	4 026	3 679	9 837	12 503
180 to 219 acres	farms	4	33	55	27	17	26	53	56
	acres	761	6 523	10 892	5 319	3 418	5 073	10 470	11 062
220 to 259 acres	farms	4	21	37	25	18	23	54	53
	acres	976	4 943	8 771	5 914	4 214	5 543	13 021	12 666
260 to 499 acres	farms	20	45	100	86	40	80	128	127
	acres	7 422	15 084	34 840	30 944	12 774	28 805	44 853	45 011
500 to 999 acres	farms	8	32	46	57	38	35	70	107
	acres	5 081	21 030	30 126	37 956	24 873	23 847	47 510	72 766
1,000 to 1,999 acres	farms	4	6	7	17	15	10	29	34
	acres	5 750	7 951	8 967	22 404	(D)	(D)	39 033	(D)
2,000 acres or more	farms	-	-	-	-	2	1	5	2
	acres	-	-	-	-	(D)	(D)	14 704	(D)
1982 size of farm: 1 to 9 acres	farms	4	18	7	5	24	6	95	33
	acres	11	77	45	21	136	11	441	85
10 to 49 acres	farms	21	119	105	36	129	36	467	229
	acres	631	3 675	3 473	1 149	4 055	1 030	12 600	7 267
50 to 69 acres	farms	8	36	38	16	37	16	121	85
	acres	465	2 107	2 283	887	2 160	906	7 044	4 881
70 to 99 acres	farms	22	74	123	32	84	33	175	150
	acres	1 795	5 860	10 033	2 594	6 940	2 658	14 677	12 158
100 to 139 acres	farms	13	52	81	36	62	28	133	136
	acres	1 517	6 144	9 559	4 173	7 079	3 382	15 376	15 755
140 to 179 acres	farms	6	30	69	56	31	35	83	98
	acres	949	4 635	10 916	8 732	5 017	5 526	13 223	15 495
180 to 219 acres	farms	7	40	50	42	31	19	70	65
	acres	1 381	7 828	9 933	8 201	6 154	3 711	13 920	12 750
220 to 259 acres	farms	4	29	47	41	16	27	66	66
	acres	992	6 880	11 092	9 761	3 755	6 416	15 677	15 667
260 to 499 acres	farms	27	57	111	115	43	95	151	146
	acres	9 511	19 950	38 420	41 786	15 080	32 912	51 960	52 008
500 to 999 acres	farms	9	30	46	69	31	40	67	96
	acres	5 977	19 882	30 894	47 640	20 720	26 787	45 229	65 798
1,000 to 1,999 acres	farms	4	7	6	10	12	8	26	25
	acres	6 416	8 771	(D)	13 213	(D)	10 586	33 283	30 535
2,000 acres or more	farms	-	-	1	-	2	-	4	3
	acres	-	-	(D)	-	(D)	-	18 306	8 192
LAND IN FARMS ACCORDING TO USE									
Total cropland	farms, 1987	92	406	619	362	424	289	1 207	929
	1982	117	479	669	442	466	334	1 397	1 083
	acres, 1987	10 527	56 687	89 564	63 542	74 957	61 912	203 774	186 322
	1982	10 568	62 683	93 022	69 101	72 404	64 679	217 231	183 585
Harvested cropland	farms, 1987	76	391	569	348	399	276	1 148	884
	1982	99	448	631	421	434	322	1 354	1 047
	acres, 1987	6 026	38 968	59 270	50 188	59 020	49 400	177 632	133 416
	1982	6 022	49 740	68 214	54 544	67 264	53 047	208 633	160 632
Cropland used only for pasture or grazing	farms, 1987	61	121	354	190	109	141	153	301
	1982	65	173	318	267	94	168	150	347
	acres, 1987	2 930	3 512	13 546	7 425	3 612	6 307	1 848	9 888
	1982	3 279	4 459	12 041	10 624	1 503	8 127	2 019	7 768
Other cropland	farms, 1987	32	260	344	133	234	131	555	642
	1982	29	249	353	132	148	106	284	511
	acres, 1987	1 571	14 207	16 748	5 929	12 325	6 205	24 294	43 018
	1982	1 267	8 484	12 767	3 933	3 637	3 505	6 579	15 185
Cropland in cover crops, legumes, and soil-improvement grasses, not harvested and not pastured	farms, 1987	9	115	130	32	96	46	209	288
	1982	4	77	120	34	24	40	62	198
	acres, 1987	(D)	5 065	4 981	815	4 884	1 784	9 113	14 337
	1982	61	2 057	3 079	982	331	1 051	1 838	5 024

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
FARMS AND LAND IN FARMS									
Farms	number, 1987	108	460	687	596	686	288	117	503
	1982	106	481	784	688	735	308	145	549
Land in farms	acres, 1987	24 040	82 224	115 937	60 358	133 115	78 200	36 507	111 662
	1982	24 401	85 256	128 523	69 053	130 279	67 380	38 665	117 686
Average size of farm	acres, 1987	223	179	169	101	194	272	312	222
	1982	230	177	134	100	177	219	267	214
Value of land and buildings[1]:									
Average per farm	dollars, 1987	140 841	185 757	142 818	211 653	199 690	193 406	111 590	156 950
	1982	184 425	210 225	175 704	257 980	190 718	167 640	121 766	132 991
Average per acre	dollars, 1987	635	1 001	802	2 405	991	747	370	720
	1982	739	1 217	1 096	2 592	1 121	744	437	641
Approximate land area	acres, 1987	352 019	324 505	541 945	559 923	346 163	364 544	838 931	363 968
Proportion in farms	percent, 1987	6.8	25.3	21.4	10.8	38.5	21.5	4.4	30.7
1987 size of farm:									
1 to 9 acres	farms	1	26	24	107	24	5	2	10
	acres	(D)	128	70	451	113	17	(D)	36
10 to 49 acres	farms	15	139	160	284	168	40	7	64
	acres	(D)	3 859	5 032	6 228	5 419	1 236	(D)	2 017
50 to 69 acres	farms	5	50	52	35	44	15	1	33
	acres	300	2 930	3 068	2 003	2 578	876	(D)	1 978
70 to 99 acres	farms	23	58	109	36	104	42	11	61
	acres	1 842	4 879	8 694	2 982	8 502	3 398	(D)	4 843
100 to 139 acres	farms	12	60	70	26	77	28	8	70
	acres	1 350	6 904	8 198	2 979	8 872	3 278	991	8 244
140 to 179 acres	farms	9	26	54	22	55	35	16	59
	acres	1 432	4 141	8 485	3 408	8 754	5 470	2 517	9 319
180 to 219 acres	farms	7	16	53	19	44	13	6	36
	acres	1 399	3 118	10 375	3 738	8 583	2 564	1 174	7 135
220 to 259 acres	farms	5	11	33	10	32	22	9	32
	acres	1 179	2 608	7 614	2 323	7 611	5 263	2 126	7 604
260 to 499 acres	farms	20	38	84	34	74	50	42	82
	acres	6 978	13 023	30 363	12 141	26 901	17 515	15 545	27 508
500 to 999 acres	farms	9	30	42	15	55	30	13	49
	acres	(D)	19 660	26 367	9 784	38 765	20 170	(D)	33 822
1,000 to 1,999 acres	farms	2	3	6	6	4	4	2	7
	acres	(D)	4 319	7 473	(D)	4 510	4 674	(D)	9 156
2,000 acres or more	farms	-	3	-	2	5	4	-	-
	acres	-	16 655	-	(D)	12 507	13 739	-	-
1982 size of farm:									
1 to 9 acres	farms	2	20	21	121	16	4	2	9
	acres	(D)	75	62	510	93	18	(D)	14
10 to 49 acres	farms	13	147	186	317	174	53	9	61
	acres	477	3 967	5 977	7 052	5 515	1 662	305	2 156
50 to 69 acres	farms	6	46	48	27	50	14	6	25
	acres	334	2 663	2 782	1 568	2 979	871	339	1 433
70 to 99 acres	farms	16	72	142	51	107	40	15	77
	acres	1 288	5 898	11 414	4 168	8 524	3 168	1 192	6 252
100 to 139 acres	farms	7	51	91	40	103	41	12	77
	acres	777	5 789	10 670	4 623	11 807	4 817	1 396	8 972
140 to 179 acres	farms	6	29	68	29	57	36	11	67
	acres	913	4 542	10 747	4 567	8 929	5 680	1 754	10 636
180 to 219 acres	farms	19	24	52	23	52	18	19	51
	acres	3 723	4 711	10 247	4 653	10 119	3 628	3 699	10 068
220 to 259 acres	farms	9	12	36	13	37	22	12	48
	acres	2 142	2 867	8 492	3 087	8 772	5 239	2 850	11 338
260 to 499 acres	farms	18	50	99	44	87	44	46	78
	acres	6 005	17 095	35 816	16 411	30 885	15 335	17 364	27 397
500 to 999 acres	farms	8	24	33	15	42	31	8	50
	acres	5 632	16 448	22 450	9 922	27 299	20 112	5 353	32 532
1,000 to 1,999 acres	farms	2	3	5	6	7	5	2	6
	acres	(D)	3 880	(D)	(D)	8 548	6 850	(D)	6 888
2,000 acres or more	farms	-	3	1	2	3	-	1	-
	acres	-	17 321	(D)	(D)	6 799	-	(D)	-
LAND IN FARMS ACCORDING TO USE									
Total cropland	farms, 1987	105	428	660	503	660	281	115	479
	1982	106	449	761	603	713	304	143	532
	acres, 1987	15 004	56 910	84 764	47 708	85 922	53 732	16 776	75 019
	1982	15 325	59 945	89 263	50 530	85 312	46 970	18 739	76 293
Harvested cropland	farms, 1987	103	391	626	408	637	264	111	441
	1982	100	425	738	510	699	279	139	504
	acres, 1987	9 482	44 267	60 726	32 533	61 720	39 659	11 950	51 682
	1982	10 970	50 494	69 862	36 995	53 361	35 146	11 399	53 035
Cropland used only for pasture or grazing	farms, 1987	57	132	282	253	199	136	48	288
	1982	59	184	343	262	213	163	89	311
	acres, 1987	2 772	2 507	8 109	6 297	5 079	7 666	3 003	13 526
	1982	2 135	3 745	8 855	8 056	6 883	9 608	4 502	16 798
Other cropland	farms, 1987	53	236	385	172	463	120	49	228
	1982	39	183	335	178	412	92	59	204
	acres, 1987	2 750	10 136	15 929	8 878	19 123	6 407	1 823	9 811
	1982	2 220	5 706	10 566	5 479	15 068	2 216	2 838	6 460
Cropland in cover crops, legumes, and soil-improvement grasses, not harvested and not pastured	farms, 1987	14	59	137	35	225	32	20	62
	1982	13	47	110	25	180	26	11	62
	acres, 1987	572	3 523	4 925	1 159	6 569	1 038	457	1 713
	1982	424	1 764	2 592	381	5 085	572	481	1 582

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
FARMS AND LAND IN FARMS									
Farms	number, 1987	84	133	1 471	293	31	1 424	1 092	880
	1982	86	142	1 573	335	37	1 702	1 302	1 033
Land in farms	acres, 1987	17 167	39 768	177 894	81 681	4 159	308 269	177 068	213 857
	1982	16 856	41 510	183 159	88 025	5 391	322 729	205 706	220 737
Average size of farm	acres, 1987	204	299	121	279	134	216	162	243
	1982	196	292	116	263	146	190	158	214
Value of land and buildings[1]:									
Average per farm	dollars, 1987	145 048	163 812	207 266	138 939	110 548	230 051	174 973	248 265
	1982	133 395	165 197	201 530	185 764	99 514	316 116	177 611	277 468
Average per acre	dollars, 1987	710	525	1 754	510	(D)	1 050	1 099	1 039
	1982	681	577	1 735	640	683	1 639	1 151	1 275
Approximate land area	acres, 1987	363 520	330 009	362 937	419 564	337 971	521 779	469 932	321 625
Proportion in farms	percent, 1987	4.7	12.1	49.0	19.5	1.2	59.1	37.7	66.5
1987 size of farm:									
1 to 9 acres	farms	5	2	156	4	1	62	36	52
	acres	10	(D)	659	16	(D)	280	147	223
10 to 49 acres	farms	10	12	479	24	6	349	292	163
	acres	312	(D)	12 902	713	(D)	9 851	7 901	4 569
50 to 69 acres	farms	2	8	147	15	4	107	96	52
	acres	(D)	471	8 542	847	226	6 297	(D)	3 032
70 to 99 acres	farms	12	8	171	30	8	177	145	103
	acres	(D)	630	13 814	2 422	633	14 341	11 853	8 557
100 to 139 acres	farms	10	23	148	34	3	156	152	102
	acres	1 177	2 731	17 174	4 051	357	18 377	17 763	11 857
140 to 179 acres	farms	13	14	75	36	2	142	95	79
	acres	2 053	2 206	11 622	5 717	(D)	22 100	14 708	12 534
180 to 219 acres	farms	5	8	70	26	3	69	47	50
	acres	(D)	1 605	13 818	5 076	616	13 643	9 195	9 912
220 to 259 acres	farms	2	6	52	20	2	50	43	40
	acres	(D)	1 408	12 523	4 847	(D)	11 898	10 236	9 594
260 to 499 acres	farms	19	36	120	61	1	165	120	120
	acres	6 835	12 424	42 031	22 522	(D)	56 864	41 686	43 518
500 to 999 acres	farms	5	10	43	32	1	98	47	91
	acres	(D)	8 043	27 516	21 090	(D)	69 824	(D)	64 792
1,000 to 1,999 acres	farms	1	4	7	10	-	36	16	22
	acres	(D)	(D)	8 702	(D)	-	49 055	(D)	27 831
2,000 acres or more	farms	-	2	3	1	-	13	3	6
	acres	-	(D)	8 591	(D)	-	33 739	(D)	17 418
1982 size of farm:									
1 to 9 acres	farms	1	1	155	8	3	65	50	58
	acres	(D)	(D)	713	31	8	324	207	244
10 to 49 acres	farms	14	12	545	29	10	429	352	210
	acres	(D)	430	14 843	683	342	12 517	9 882	5 513
50 to 69 acres	farms	5	3	146	4	4	117	110	76
	acres	305	185	8 490	239	227	6 781	6 443	4 461
70 to 99 acres	farms	12	14	220	35	3	252	178	116
	acres	936	1 154	18 028	2 796	254	20 455	14 380	9 639
100 to 139 acres	farms	9	15	130	41	5	188	163	103
	acres	1 034	1 744	15 000	4 845	602	22 005	19 147	12 014
140 to 179 acres	farms	16	18	81	48	2	141	94	108
	acres	2 500	2 856	12 743	7 627	(D)	22 283	14 744	17 170
180 to 219 acres	farms	5	18	72	28	3	97	81	66
	acres	1 026	3 573	14 451	5 492	618	19 311	15 916	13 071
220 to 259 acres	farms	-	9	59	27	2	70	51	47
	acres	-	2 122	13 986	6 379	(D)	16 789	12 229	11 314
260 to 499 acres	farms	18	30	109	76	4	202	155	133
	acres	6 304	12 780	38 346	26 609	1 620	71 597	51 782	47 893
500 to 999 acres	farms	5	12	46	31	1	101	52	91
	acres	2 980	7 353	28 302	21 437	(D)	70 186	35 352	59 981
1,000 to 1,999 acres	farms	1	2	7	6	-	36	12	20
	acres	(D)	(D)	8 001	(D)	-	49 791	15 676	25 238
2,000 acres or more	farms	-	2	3	2	-	4	4	5
	acres	-	(D)	9 256	(D)	-	10 690	9 748	14 199
LAND IN FARMS ACCORDING TO USE									
Total cropland	farms, 1987	78	127	1 380	283	30	1 376	1 047	838
	1982	84	136	1 486	326	33	1 648	1 258	980
	acres, 1987	10 679	18 017	146 152	51 610	2 362	277 062	148 961	179 703
	1982	9 288	18 777	145 741	51 726	3 391	282 524	176 126	181 493
Harvested cropland	farms, 1987	71	121	1 305	269	22	1 332	984	805
	1982	78	130	1 414	302	28	1 614	1 178	936
	acres, 1987	6 250	12 121	112 721	37 031	1 396	246 217	107 002	136 100
	1982	6 723	12 153	123 172	38 011	(D)	273 534	143 393	161 056
Cropland used only for pasture or grazing	farms, 1987	51	71	461	176	19	188	405	286
	1982	50	74	509	198	22	193	474	308
	acres, 1987	3 650	3 766	8 950	9 571	(D)	3 234	10 745	6 148
	1982	2 016	3 974	11 499	9 867	(D)	3 239	11 283	8 045
Other cropland	farms, 1987	17	67	676	124	5	684	617	552
	1982	18	55	454	122	5	297	585	364
	acres, 1987	769	2 130	24 481	5 008	(D)	27 611	31 214	37 455
	1982	549	2 650	11 070	3 848	90	5 751	21 450	12 392
Cropland in cover crops, legumes, and soil-improvement grasses, not harvested and not pastured	farms, 1987	5	32	193	40	1	238	154	258
	1982	4	19	140	29	2	70	79	112
	acres, 1987	83	702	7 086	1 806	(D)	7 990	5 556	13 645
	1982	117	971	3 423	1 181	(D)	1 226	2 415	2 536

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
FARMS AND LAND IN FARMS									
Farms	number, 1987	1 559	52	1 160	1 207	1 278	1 222	334	178
	1982	1 846	56	1 386	1 483	1 464	1 347	439	229
Land in farms	acres, 1987	431 199	(D)	240 357	328 705	190 251	204 272	22 196	31 103
	1982	444 294	14 494	244 318	343 675	197 055	223 673	37 326	39 867
Average size of farm	acres, 1987	277	(D)	207	272	149	167	66	175
	1982	241	259	176	232	135	166	85	174
Value of land and buildings[1]:									
Average per farm	dollars, 1987	213 511	109 731	177 809	278 930	164 920	253 187	211 171	97 118
	1982	267 091	109 554	211 097	394 568	188 906	272 377	235 499	129 852
Average per acre	dollars, 1987	764	376	873	1 000	1 121	1 523	3 560	599
	1982	1 107	423	1 198	1 721	1 454	1 669	2 647	761
Approximate land area	acres, 1987	617 216	750 969	345 830	519 731	391 296	454 560	393 664	362 016
Proportion in farms	percent, 1987	69.9	(D)	69.5	63.2	48.6	44.9	5.6	8.6
1987 size of farm:									
1 to 9 acres	farms	63	1	41	49	66	67	72	3
	acres	174	(D)	169	159	319	303	293	9
10 to 49 acres	farms	225	11	263	227	425	383	150	33
	acres	6 926	(D)	7 528	6 614	11 867	9 194	3 393	942
50 to 69 acres	farms	55	2	90	78	117	86	36	12
	acres	3 200	(D)	5 196	4 533	6 707	4 959	2 158	702
70 to 99 acres	farms	166	1	157	169	181	129	18	30
	acres	13 341	(D)	12 987	13 804	14 743	10 462	1 376	2 423
100 to 139 acres	farms	171	5	132	124	153	133	27	26
	acres	19 931	558	15 312	14 509	17 987	15 410	3 088	3 115
140 to 179 acres	farms	170	6	78	94	82	87	6	14
	acres	26 926	977	12 302	14 764	12 982	13 685	944	2 231
180 to 219 acres	farms	110	2	65	68	70	54	6	8
	acres	21 851	(D)	12 902	13 487	13 720	10 772	1 183	1 590
220 to 259 acres	farms	103	4	48	48	38	43	4	12
	acres	24 555	(D)	11 327	11 406	9 001	10 152	929	2 835
260 to 499 acres	farms	264	12	156	157	82	146	9	30
	acres	93 986	4 426	53 579	56 122	28 865	52 167	3 209	10 472
500 to 999 acres	farms	161	5	102	124	47	74	4	10
	acres	110 874	3 480	67 195	83 779	32 733	50 448	(D)	6 784
1,000 to 1,999 acres	farms	56	3	24	60	13	19	2	-
	acres	66 831	3 904	31 101	79 447	16 000	(D)	(D)	-
2,000 acres or more	farms	16	-	4	9	4	1	-	-
	acres	40 602	-	10 759	30 081	25 327	(D)	-	-
1982 size of farm:									
1 to 9 acres	farms	47	2	34	46	55	71	96	3
	acres	197	(D)	156	155	320	348	408	4
10 to 49 acres	farms	289	9	328	260	521	396	183	43
	acres	8 902	237	9 353	7 918	14 877	10 010	4 268	1 361
50 to 69 acres	farms	89	1	110	95	169	103	30	19
	acres	5 271	(D)	6 327	5 508	9 992	5 931	1 760	1 118
70 to 99 acres	farms	221	3	214	215	194	145	35	42
	acres	17 758	(D)	17 644	17 615	15 955	11 855	2 837	3 518
100 to 139 acres	farms	186	9	157	186	152	156	36	27
	acres	21 831	1 091	18 425	21 457	17 990	18 293	4 187	3 185
140 to 179 acres	farms	194	8	103	109	98	98	18	23
	acres	30 596	1 226	16 051	17 255	15 385	15 554	2 891	3 579
180 to 219 acres	farms	151	4	104	104	71	69	4	10
	acres	29 558	730	20 716	20 395	13 889	13 601	789	1 974
220 to 259 acres	farms	126	2	58	55	49	53	5	13
	acres	29 806	(D)	13 537	13 011	11 692	12 576	1 181	3 076
260 to 499 acres	farms	336	8	174	235	95	155	17	38
	acres	119 569	2 682	60 233	82 872	32 067	55 302	6 296	13 645
500 to 999 acres	farms	153	8	90	133	51	82	11	10
	acres	103 323	5 722	61 212	89 402	34 255	53 752	8 457	(D)
1,000 to 1,999 acres	farms	44	2	12	38	5	18	4	1
	acres	56 273	(D)	(D)	48 532	5 266	(D)	4 252	(D)
2,000 acres or more	farms	8	-	2	7	4	1	-	-
	acres	21 210	-	(D)	19 555	25 367	(D)	-	-
LAND IN FARMS ACCORDING TO USE									
Total cropland	farms, 1987	1 488	50	1 124	1 151	1 245	1 151	297	167
	1982	1 803	56	1 358	1 434	1 434	1 271	406	217
	acres, 1987	390 529	9 323	203 050	294 089	147 853	170 968	19 024	18 547
	1982	391 182	7 783	203 254	301 425	149 638	179 023	30 649	25 317
Harvested cropland	farms, 1987	1 440	43	1 078	1 110	1 187	1 063	259	151
	1982	1 751	53	1 316	1 394	1 376	1 201	375	201
	acres, 1987	303 733	5 499	165 476	243 649	103 657	131 246	14 654	12 263
	1982	345 800	5 213	182 595	281 916	120 184	161 359	27 085	17 301
Cropland used only for pasture or grazing	farms, 1987	506	27	264	267	288	402	61	78
	1982	592	31	330	339	366	446	58	110
	acres, 1987	16 619	2 226	7 220	6 986	7 754	9 072	784	2 576
	1982	17 499	1 455	7 606	8 743	8 292	9 116	590	4 398
Other cropland	farms, 1987	993	19	664	725	766	597	106	93
	1982	755	21	486	402	728	351	101	107
	acres, 1987	70 177	1 598	30 354	43 454	36 442	30 650	3 586	3 708
	1982	27 883	1 115	12 853	10 766	21 162	8 548	2 974	3 618
Cropland in cover crops, legumes, and soil-improvement grasses, not harvested and not pastured	farms, 1987	395	7	273	298	249	213	20	36
	1982	150	5	115	100	185	73	16	27
	acres, 1987	20 649	277	11 032	17 889	9 678	8 945	539	1 137
	1982	4 205	(D)	2 078	2 142	4 817	1 889	376	732

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
LAND IN FARMS ACCORDING TO USE—Con.								
Total cropland-Con.								
Other cropland-Con.								
Cropland on which all crops failed	farms, 1987	3 746	16	1	133	39	13	37
	1982	2 802	27	6	62	46	10	52
	acres, 1987	90 181	319	(D)	2 656	739	221	1 355
	1982	55 721	683	279	696	845	245	1 894
Cropland in cultivated summer fallow	farms, 1987	5 130	34	7	124	102	18	79
	1982	5 101	33	10	119	111	20	54
	acres, 1987	139 260	1 284	130	3 239	2 460	421	3 041
	1982	113 569	786	(D)	2 504	2 648	394	1 238
Cropland idle	farms, 1987	17 994	55	13	629	114	82	134
	1982	12 862	49	18	471	103	74	70
	acres, 1987	820 270	2 029	636	29 985	3 139	3 401	6 429
	1982	333 740	1 530	388	10 043	2 308	2 482	1 632
Total woodland	farms, 1987	27 107	156	52	794	288	161	196
	1982	31 636	218	66	899	313	192	237
	acres, 1987	1 253 543	10 272	4 856	25 026	20 605	12 479	14 796
	1982	1 430 370	13 989	6 883	25 279	22 196	16 241	16 677
Woodland pastured	farms, 1987	6 101	66	18	144	91	31	58
	1982	7 410	104	21	173	118	46	81
	acres, 1987	229 240	2 319	785	2 497	5 549	2 194	2 558
	1982	269 311	5 568	1 004	3 410	5 071	1 443	3 491
Woodland not pastured	farms, 1987	23 871	118	48	711	249	151	169
	1982	27 495	152	56	794	246	182	195
	acres, 1987	1 024 303	7 953	4 071	22 529	15 056	10 285	12 238
	1982	1 161 059	8 421	5 879	21 869	17 125	14 798	13 186
Other land	farms, 1987	38 711	161	40	1 293	281	192	239
	1982	45 333	216	54	1 459	344	234	276
	acres, 1987	881 998	4 591	1 858	23 235	6 829	8 142	5 163
	1982	1 053 781	4 897	1 136	26 599	8 373	7 280	5 465
Pastureland and rangeland other than cropland and woodland pastured	farms, 1987	6 852	52	11	204	62	41	34
	1982	6 941	55	10	233	44	46	17
	acres, 1987	230 074	2 563	851	4 806	1 831	2 885	2 022
	1982	253 471	2 081	320	4 945	2 946	1 787	778
Land in house lots, ponds, roads, wasteland, etc.	farms, 1987	37 216	148	39	1 258	269	183	226
	1982	44 187	206	51	1 418	340	228	271
	acres, 1987	651 924	2 028	1 007	18 429	4 998	5 257	3 141
	1982	800 310	2 816	816	21 654	5 427	5 493	4 687
Pastureland, all types	farms, 1987	22 492	178	46	667	278	121	129
	1982	25 369	232	50	805	291	156	151
	acres, 1987	977 903	14 510	3 966	17 524	17 639	8 771	7 787
	1982	1 088 933	18 793	3 611	20 192	16 680	9 454	8 060
Cropland diverted under annual commodity acreage adjustment programs	farms, 1987	16 012	23	7	465	104	45	146
	1982	4 488	14	2	144	46	16	52
	acres, 1987	751 325	776	72	22 038	2 308	1 656	6 022
	1982	85 139	207	(D)	2 492	441	321	862
Cropland placed under the conservation reserve program	farms, 1987	851	8	-	22	6	6	11
	acres, 1987	38 874	358	-	1 717	90	308	398

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
LAND IN FARMS ACCORDING TO USE—Con.								
Total cropland-Con.								
Other cropland-Con.								
Cropland on which all crops failed	farms, 1987	5	90	88	5	81	38	56
	1982	9	24	41	12	102	51	63
	acres, 1987	60	1 992	2 520	42	1 136	658	985
	1982	247	481	1 081	156	1 176	760	906
Cropland in cultivated summer fallow	farms, 1987	5	84	50	14	79	53	71
	1982	-	117	37	13	69	51	80
	acres, 1987	63	1 820	758	241	1 125	1 227	1 886
	1982	-	3 720	592	211	989	1 221	1 960
Cropland idle	farms, 1987	8	336	278	66	597	479	515
	1982	16	280	135	74	575	305	318
	acres, 1987	677	18 244	10 196	2 667	19 259	26 305	29 039
	1982	752	7 720	4 858	2 048	10 169	6 585	7 864
Total woodland	farms, 1987	46	574	250	112	626	583	732
	1982	67	650	286	134	759	703	769
	acres, 1987	5 555	20 640	9 312	7 499	13 936	27 220	27 014
	1982	7 690	25 145	9 718	8 741	16 694	30 018	29 107
Woodland pastured	farms, 1987	17	129	60	13	98	146	180
	1982	29	150	57	15	103	142	179
	acres, 1987	914	2 623	1 633	499	1 487	4 606	4 461
	1982	1 283	3 272	1 659	389	1 876	3 396	4 485
Woodland not pastured	farms, 1987	40	509	203	108	569	496	632
	1982	58	573	247	130	693	625	664
	acres, 1987	4 641	18 017	7 679	7 000	12 449	22 614	22 553
	1982	6 407	21 873	8 059	8 352	14 818	26 622	24 622
Other land	farms, 1987	42	757	545	122	1 167	778	933
	1982	56	904	602	146	1 424	933	1 069
	acres, 1987	900	19 212	6 716	3 802	15 642	21 121	32 553
	1982	1 314	26 446	9 291	4 030	20 807	26 592	30 635
Pastureland and rangeland other than cropland and woodland pastured	farms, 1987	12	168	34	23	117	170	209
	1982	8	177	23	11	138	187	209
	acres, 1987	478	4 148	627	521	1 730	4 081	6 791
	1982	345	6 379	811	579	2 080	6 384	7 526
Land in house lots, ponds, roads, wasteland, etc.	farms, 1987	39	728	531	118	1 138	752	909
	1982	53	883	596	143	1 399	912	1 039
	acres, 1987	422	15 064	6 089	3 281	13 912	17 040	25 762
	1982	969	20 067	8 460	3 451	18 727	20 208	23 109
Pastureland, all types	farms, 1987	45	540	133	58	397	468	605
	1982	57	566	126	61	439	521	681
	acres, 1987	3 434	20 562	4 601	2 084	7 713	16 547	25 147
	1982	3 634	21 092	4 259	2 830	9 749	18 425	28 187
Cropland diverted under annual commodity acreage adjustment programs	farms, 1987	3	258	335	10	283	551	494
	1982	4	112	45	2	85	157	139
	acres, 1987	35	13 007	12 836	(D)	12 359	26 847	24 452
	1982	10	2 457	801	(D)	1 396	2 838	2 837
Cropland placed under the conservation reserve program	farms, 1987	-	52	12	1	9	29	55
	acres, 1987	-	3 402	422	(D)	223	1 494	2 792

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
LAND IN FARMS ACCORDING TO USE—Con.								
Total cropland-Con.								
Other cropland-Con.								
Cropland on which all crops failed	farms, 1987	30	12	7	36	33	103	2
	1982	42	10	18	122	21	81	-
	acres, 1987	349	176	141	2 452	1 040	1 967	(D)
	1982	649	189	695	4 415	405	1 121	-
Cropland in cultivated summer fallow	farms, 1987	38	25	20	33	35	188	1
	1982	21	16	13	29	36	197	2
	acres, 1987	1 540	311	359	930	798	4 397	(D)
	1982	370	145	244	745	574	3 840	(D)
Cropland idle	farms, 1987	327	70	30	92	59	496	8
	1982	234	54	36	100	64	304	6
	acres, 1987	15 600	1 564	790	4 091	3 873	17 605	134
	1982	5 533	1 343	1 096	4 651	2 403	5 267	219
Total woodland	farms, 1987	499	150	124	227	178	743	11
	1982	623	203	155	263	221	833	11
	acres, 1987	21 111	10 548	11 518	16 459	12 582	20 118	(D)
	1982	23 488	12 638	13 498	21 047	16 806	21 881	661
Woodland pastured	farms, 1987	127	41	63	72	75	103	4
	1982	138	68	87	105	97	127	4
	acres, 1987	2 610	1 397	3 770	3 181	5 726	1 695	48
	1982	3 061	1 878	4 756	5 151	8 219	2 374	190
Woodland not pastured	farms, 1987	433	131	108	200	135	666	10
	1982	555	186	109	223	160	750	10
	acres, 1987	18 501	9 151	7 748	13 278	6 856	18 423	(D)
	1982	20 427	10 760	8 742	15 896	8 587	19 507	471
Other land	farms, 1987	670	187	112	222	212	1 039	15
	1982	851	205	159	279	246	1 212	15
	acres, 1987	21 698	6 706	5 042	7 315	7 248	17 072	(D)
	1982	22 699	6 862	5 274	7 660	9 330	23 541	116
Pastureland and rangeland other than cropland and woodland pastured	farms, 1987	127	58	29	44	71	112	1
	1982	143	72	37	41	67	149	2
	acres, 1987	9 218	2 854	2 817	3 641	3 997	2 641	(D)
	1982	4 366	3 602	1 964	2 857	5 186	3 396	(D)
Land in house lots, ponds, roads, wasteland, etc.	farms, 1987	648	174	108	211	194	1 014	15
	1982	839	197	154	271	222	1 193	15
	acres, 1987	12 480	3 852	2 225	3 674	3 251	14 431	65
	1982	18 333	3 260	3 310	4 803	4 144	20 145	(D)
Pastureland, all types	farms, 1987	428	163	129	233	212	454	14
	1982	508	188	154	277	237	547	12
	acres, 1987	24 685	9 760	14 251	21 012	22 157	11 417	312
	1982	20 814	11 701	15 480	21 684	25 556	13 977	(D)
Cropland diverted under annual commodity acreage adjustment programs	farms, 1987	339	27	13	10	39	591	-
	1982	126	16	5	10	30	177	-
	acres, 1987	19 407	(D)	(D)	140	(D)	20 608	-
	1982	2 538	215	27	71	498	2 507	-
Cropland placed under the conservation reserve program	farms, 1987	15	1	1	-	1	39	-
	acres, 1987	775	(D)	(D)	-	(D)	1 292	-

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
LAND IN FARMS ACCORDING TO USE—Con.								
Total cropland-Con.								
Other cropland-Con.								
Cropland on which all crops failed	farms, 1987	20	5	93	14	79	51	1
	1982	33	11	46	14	37	37	6
	acres, 1987	304	120	2 019	202	1 877	1 104	(D)
	1982	648	199	755	233	465	1 056	59
Cropland in cultivated summer fallow	farms, 1987	31	7	128	16	105	80	-
	1982	39	9	156	26	130	84	2
	acres, 1987	717	225	3 523	161	4 225	2 849	-
	1982	819	139	3 905	343	3 333	1 328	(D)
Cropland idle	farms, 1987	63	10	430	54	243	115	8
	1982	73	19	267	61	211	96	13
	acres, 1987	1 991	224	18 092	1 979	12 507	4 820	345
	1982	2 251	461	8 106	1 769	5 835	1 895	282
Total woodland	farms, 1987	216	84	727	141	412	251	40
	1982	263	101	786	195	461	269	61
	acres, 1987	29 295	12 424	24 586	13 758	9 776	12 396	1 745
	1982	33 972	13 833	27 508	16 166	13 199	14 746	3 648
Woodland pastured	farms, 1987	75	39	146	43	72	114	11
	1982	94	45	193	77	55	118	26
	acres, 1987	5 478	3 348	3 012	3 546	1 174	4 548	178
	1982	6 369	2 317	4 116	2 968	846	6 266	839
Woodland not pastured	farms, 1987	194	71	652	127	366	186	34
	1982	242	93	670	167	420	193	46
	acres, 1987	23 817	9 076	21 574	10 212	8 602	7 848	1 567
	1982	27 603	11 516	23 392	13 198	12 353	8 480	2 809
Other land	farms, 1987	185	69	993	176	631	303	38
	1982	235	97	1 124	178	744	332	58
	acres, 1987	6 858	1 616	20 907	5 443	8 909	6 390	737
	1982	7 141	2 348	24 471	5 790	13 492	6 423	1 859
Pastureland and rangeland other than cropland and woodland pastured	farms, 1987	45	23	195	43	91	64	14
	1982	57	20	196	34	74	78	9
	acres, 1987	3 898	650	5 157	2 875	2 582	2 930	461
	1982	2 715	731	5 517	1 773	2 750	2 578	(D)
Land in house lots, ponds, roads, wasteland, etc	farms, 1987	177	62	952	165	612	278	37
	1982	222	93	1 102	175	730	311	57
	acres, 1987	2 960	966	15 750	2 568	6 327	3 460	276
	1982	4 426	1 617	18 954	4 017	10 742	3 845	(D)
Pastureland, all types	farms, 1987	195	88	592	150	311	270	42
	1982	223	85	656	170	339	302	66
	acres, 1987	16 787	6 712	19 406	12 500	8 300	16 002	1 449
	1982	17 311	5 488	21 026	11 347	8 577	18 088	3 549
Cropland diverted under annual commodity acreage adjustment programs	farms, 1987	19	9	426	20	216	108	1
	1982	11	6	92	9	67	56	2
	acres, 1987	(D)	120	22 238	732	(D)	3 452	(D)
	1982	80	53	2 008	117	1 324	692	(D)
Cropland placed under the conservation reserve program	farms, 1987	2	-	24	-	5	7	-
	acres, 1987	(D)	-	1 136	-	(D)	89	-

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
LAND IN FARMS ACCORDING TO USE—Con.									
Total cropland-Con.									
Other cropland-Con.									
Cropland on which all crops failed	farms, 1987	46	163	35	7	93	50	110	17
	1982	32	35	62	22	63	36	40	15
	acres, 1987	1 105	9 296	615	170	2 396	1 927	3 156	201
	1982	451	494	1 066	296	1 291	551	1 109	431
Cropland in cultivated summer fallow	farms, 1987	42	102	73	15	169	111	157	46
	1982	38	67	58	30	173	151	133	27
	acres, 1987	1 317	1 786	2 020	230	5 127	3 949	4 173	1 021
	1982	492	1 148	1 121	492	5 537	3 684	2 412	810
Cropland idle	farms, 1987	160	293	538	55	522	330	487	68
	1982	143	187	285	69	210	226	272	54
	acres, 1987	6 196	15 955	29 731	1 542	28 973	20 333	23 644	2 221
	1982	4 542	4 103	5 409	2 493	6 207	8 402	6 008	1 917
Total woodland	farms, 1987	260	517	672	122	518	519	866	144
	1982	301	619	819	168	647	591	720	163
	acres, 1987	11 413	20 170	23 822	11 403	22 245	17 531	23 247	15 350
	1982	15 395	23 249	26 870	13 186	25 089	19 677	22 471	18 450
Woodland pastured	farms, 1987	31	86	100	35	103	109	117	67
	1982	53	79	146	47	140	122	154	84
	acres, 1987	795	3 068	2 345	1 635	3 120	3 076	3 403	7 719
	19d2	1 018	2 193	2 886	2 198	4 496	2 102	3 782	8 228
Woodland not pastured	farms, 1987	238	463	614	110	452	451	604	105
	1982	273	573	714	152	566	509	625	110
	acres, 1987	10 618	17 102	21 477	9 768	19 125	14 455	19 844	7 631
	1982	14 377	21 056	23 984	10 988	20 593	17 575	18 689	10 222
Other land	farms, 1987	335	744	946	114	948	773	842	153
	1982	387	874	1 133	153	1 106	934	1 000	188
	acres, 1987	8 361	12 629	22 321	4 180	18 599	17 918	22 576	5 746
	1982	7 695	17 128	33 493	3 630	25 288	19 266	24 559	3 991
Pastureland and rangeland other than cropland and woodland pastured	farms, 1987	55	81	169	32	64	169	158	38
	1982	56	81	213	37	61	167	223	38
	acres, 1987	1 820	2 057	4 796	1 584	2 198	3 681	5 553	2 862
	1982	2 034	2 629	9 764	970	3 295	3 791	5 970	1 159
Land in house lots, ponds, roads, wasteland, etc.	farms, 1987	319	728	908	108	926	746	814	144
	1982	379	863	1 117	144	1 093	920	976	175
	acres, 1987	6 541	10 572	17 525	2 596	16 401	14 237	17 023	2 884
	1982	5 661	14 499	23 729	2 660	21 993	15 475	18 589	2 832
Pastureland, all types	farms, 1987	135	284	482	105	359	463	506	141
	1982	170	294	580	128	464	504	547	164
	acres, 1987	6 067	10 690	13 434	6 741	13 811	14 281	20 016	15 394
	1982	8 040	9 709	20 043	7 675	18 703	13 683	19 100	15 165
Cropland diverted under annual commodity acreage adjustment programs	farms, 1987	61	479	543	17	778	318	508	53
	1982	24	72	121	11	185	147	133	18
	acres, 1987	(D)	22 338	26 412	207	40 394	(D)	22 268	1 426
	1982	410	1 197	2 051	42	3 043	5 115	2 728	524
Cropland placed under the conservation reserve program	farms, 1987	2	26	79	3	10	6	15	8
	acres, 1987	(D)	1 102	4 240	31	428	(D)	650	807

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
LAND IN FARMS ACCORDING TO USE—Con.									
Total cropland-Con.									
Other cropland-Con.									
Cropland on which all crops failed	farms, 1987	1	114	82	32	15	97	-	16
	1982	5	72	35	43	13	28	-	6
	acres, 1987	(D)	3 315	1 465	1 022	445	1 764	-	376
	1982	27	2 269	718	959	296	358	-	60
Cropland in cultivated summer fallow	farms, 1987	5	134	111	31	13	122	-	10
	1982	2	118	120	33	11	108	-	12
	acres, 1987	(D)	3 143	3 083	1 241	153	2 920	-	99
	1982	(D)	2 277	2 033	1 667	235	1 619	-	148
Cropland idle	farms, 1987	16	315	451	334	45	447	-	32
	1982	24	187	298	206	33	331	2	31
	acres, 1987	616	12 541	22 617	21 273	1 945	16 814	-	848
	1982	784	5 282	8 219	8 224	1 323	7 748	(D)	860
Total woodland	farms, 1987	81	528	629	407	60	674	1	70
	1982	89	564	704	487	70	812	4	88
	acres, 1987	13 156	21 403	24 130	19 348	4 246	20 787	(D)	4 903
	1982	13 945	22 968	24 784	15 914	4 704	23 976	240	6 443
Woodland pastured	farms, 1987	43	119	167	72	9	130	-	23
	1982	46	173	147	94	12	152	-	37
	acres, 1987	3 821	3 069	5 370	3 120	248	2 252	-	1 178
	1982	4 767	6 029	4 635	1 988	378	3 420	-	2 733
Woodland not pastured	farms, 1987	59	466	554	368	56	609	1	59
	1982	72	463	616	430	65	720	4	67
	acres, 1987	9 335	18 334	18 760	16 226	3 998	18 535	(D)	3 725
	1982	9 178	16 939	20 149	13 926	4 326	20 556	240	3 710
Other land	farms, 1987	68	651	923	673	66	1 046	1	93
	1982	69	776	1 025	756	70	1 201	-	96
	acres, 1987	2 673	14 571	33 264	16 431	1 331	19 780	(D)	2 648
	1982	2 184	18 130	37 698	20 775	1 161	26 438	-	3 524
Pastureland and rangeland other than cropland and woodland pastured	farms, 1987	24	115	268	141	14	225	-	24
	1982	22	144	199	104	16	225	-	34
	acres, 1987	1 767	4 772	9 639	4 177	378	5 177	-	826
	1982	848	4 064	11 133	4 664	301	8 240	-	1 405
Land in house lots, ponds, roads, wasteland, etc.	farms, 1987	61	625	879	643	65	993	1	86
	1982	63	743	994	737	65	1 165	-	91
	acres, 1987	906	9 799	23 625	12 254	953	14 603	(D)	1 822
	1982	1 336	14 066	26 565	16 111	860	18 198	-	2 119
Pastureland, all types	farms, 1987	81	414	587	380	49	650	1	87
	1982	74	479	600	382	56	768	3	99
	acres, 1987	8 117	18 240	24 969	13 433	1 653	19 268	(D)	4 992
	1982	8 501	20 127	26 728	12 969	2 080	25 351	(D)	7 161
Cropland diverted under annual commodity acreage adjustment programs	farms, 1987	2	316	406	259	24	329	-	12
	1982	4	69	119	58	8	117	-	9
	acres, 1987	(D)	12 646	21 770	17 634	(D)	14 200	-	159
	1982	41	1 220	2 756	1 208	143	1 713	-	104
Cropland placed under the conservation reserve program	farms, 1987	-	20	18	8	2	14	-	4
	acres, 1987	-	1 041	623	205	(D)	916	-	78

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
LAND IN FARMS ACCORDING TO USE—Con.									
Total cropland-Con.									
Other cropland-Con.									
Cropland on which all crops failed	farms, 1987	88	27	57	39	-	3	33	54
	1982	65	14	57	38	4	8	49	14
	acres, 1987	1 563	323	1 041	723	-	(D)	528	952
	1982	1 400	147	946	404	62	220	560	243
Cropland in cultivated summer fallow	farms, 1987	185	35	147	82	2	14	56	23
	1982	180	44	67	93	3	8	106	35
	acres, 1987	5 263	741	6 089	2 388	(D)	(D)	1 290	242
	1982	5 137	635	1 375	2 642	(D)	(D)	2 276	738
Cropland idle	farms, 1987	389	161	592	247	9	25	238	113
	1982	316	134	261	206	9	20	169	115
	acres, 1987	21 593	5 620	33 439	13 360	208	1 425	7 654	4 142
	1982	8 559	3 583	6 042	4 766	514	696	2 893	3 600
Total woodland	farms, 1987	603	286	558	403	30	66	235	191
	1982	695	323	691	459	26	84	292	223
	acres, 1987	22 165	15 105	17 886	13 985	4 046	6 964	4 721	11 834
	1982	23 378	17 192	23 456	14 556	4 266	10 077	6 818	15 225
Woodland pastured	farms, 1987	146	48	73	93	15	30	38	26
	1982	152	60	74	93	8	34	72	50
	acres, 1987	2 927	2 414	2 082	3 082	1 992	1 756	378	1 532
	1982	4 464	2 485	3 150	2 454	1 206	3 012	1 150	1 653
Woodland not pastured	farms, 1987	527	264	515	345	25	59	204	175
	1982	599	288	644	413	22	77	239	199
	acres, 1987	19 238	12 691	15 804	10 903	2 054	5 208	4 345	10 302
	1982	18 914	14 707	20 306	12 102	3 058	7 065	5 668	13 572
Other land	farms, 1987	964	328	952	641	21	58	473	210
	1982	1 108	373	1 169	719	19	67	604	241
	acres, 1987	21 564	11 159	16 573	14 691	804	2 984	6 707	5 687
	1982	23 714	13 438	24 820	19 410	1 333	3 786	7 207	5 217
Pastureland and rangeland other than cropland and woodland pastured	farms, 1987	195	70	116	149	6	7	75	40
	1982	200	77	130	159	4	14	71	39
	acres, 1987	4 892	1 772	2 148	4 036	478	(D)	1 171	1 023
	1982	5 000	2 751	4 817	4 257	1 152	2 917	1 427	1 378
Land in house lots, ponds, roads, wasteland, etc.	farms, 1987	926	318	921	612	21	57	451	199
	1982	1 077	360	1 147	682	18	64	587	229
	acres, 1987	16 672	9 387	14 425	10 655	326	(D)	5 536	4 644
	1982	18 714	10 687	20 003	15 153	181	869	5 780	3 839
Pastureland, all types	farms, 1987	678	135	347	442	24	63	224	140
	1982	697	162	388	475	12	74	257	151
	acres, 1987	20 237	7 495	9 467	14 010	4 528	7 460	3 567	6 055
	1982	22 177	9 543	14 844	14 900	3 018	9 870	5 315	6 624
Cropland diverted under annual commodity acreage adjustment programs	farms, 1987	331	33	673	192	2	8	131	34
	1982	121	19	125	70	-	2	36	14
	acres, 1987	17 999	1 098	37 807	(D)	(D)	145	(D)	(D)
	1982	2 807	155	2 952	2 009	-	(D)	563	142
Cropland placed under the conservation reserve program	farms, 1987	14	3	27	5	1	-	1	2
	acres, 1987	670	60	1 019	(D)	(D)	-	(D)	(D)

See footnotes at end of table.

Table 5. Farms, Land in Farms, and Land Use: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
LAND IN FARMS ACCORDING TO USE—Con.									
Total cropland-Con.									
Other cropland-Con.									
Cropland on which all crops failed	farms, 1987	5	41	76	20	35	48	52	121
	1982	5	22	43	29	39	14	60	53
	acres, 1987	(D)	586	1 657	423	1 197	1 584	1 156	4 865
	1982	145	264	695	478	679	262	1 868	939
Cropland in cultivated summer fallow	farms, 1987	11	57	91	20	23	23	23	196
	1982	8	79	91	20	22	38	12	161
	acres, 1987	184	1 168	2 057	518	1 202	505	476	6 437
	1982	278	1 622	1 901	241	216	801	225	3 019
Cropland idle	farms, 1987	22	177	216	94	131	64	356	371
	1982	21	151	224	87	88	61	169	252
	acres, 1987	779	7 388	7 853	4 173	5 042	2 332	13 549	17 379
	1982	783	4 541	7 092	2 232	2 411	1 391	2 648	6 203
Total woodland	farms, 1987	80	247	435	296	220	194	377	604
	1982	104	297	510	383	277	225	460	693
	acres, 1987	10 176	13 584	23 646	46 438	13 144	16 474	7 298	28 449
	1982	13 743	15 731	27 810	60 261	14 388	17 248	9 945	35 120
Woodland pastured	farms, 1987	24	42	97	105	61	57	43	129
	1982	48	46	126	132	91	74	65	150
	acres, 1987	2 117	1 782	3 282	7 780	2 304	3 396	577	3 424
	1982	2 496	1 258	5 743	8 941	2 770	3 667	885	4 253
Woodland not pastured	farms, 1987	70	231	366	267	185	174	342	538
	1982	82	269	449	348	221	186	410	609
	acres, 1987	8 059	11 802	20 364	38 658	10 840	13 078	6 721	25 025
	1982	11 247	14 473	22 067	51 320	11 618	13 581	9 060	30 867
Other land	farms, 1987	72	310	496	253	341	233	821	779
	1982	92	385	534	324	357	267	955	876
	acres, 1987	3 781	5 922	13 868	8 358	6 364	8 928	9 202	23 616
	1982	5 334	7 395	15 552	8 795	6 507	11 998	14 560	21 886
Pastureland and rangeland other than cropland and woodland pastured	farms, 1987	20	54	114	57	55	58	58	141
	1982	16	49	99	84	55	64	67	120
	acres, 1987	2 438	973	3 736	2 172	1 884	4 089	1 424	4 173
	1982	4 091	1 305	3 632	3 001	1 412	4 109	3 958	3 298
Land in house lots, ponds, roads, wasteland, etc.	farms, 1987	68	300	479	238	325	224	804	754
	1982	90	377	516	301	346	246	938	863
	acres, 1987	1 343	4 949	10 132	6 186	4 480	4 839	7 778	19 443
	1982	1 243	6 090	11 920	5 794	5 095	7 889	10 602	18 588
Pastureland, all types	farms, 1987	74	180	419	240	177	198	231	439
	1982	91	225	413	342	191	238	247	485
	acres, 1987	7 485	6 267	20 564	17 377	7 800	13 792	3 849	17 485
	1982	9 866	7 022	21 416	22 566	5 685	15 903	6 862	15 319
Cropland diverted under annual commodity acreage adjustment programs	farms, 1987	3	111	135	57	155	74	418	412
	1982	2	42	85	32	19	34	57	140
	acres, 1987	85	(D)	4 617	1 787	(D)	(D)	(D)	18 541
	1982	(D)	752	1 232	558	352	345	971	2 398
Cropland placed under the conservation reserve program	farms, 1987	-	3	16	3	7	3	9	34
	acres, 1987	-	(D)	817	460	(D)	(D)	(D)	1 203

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
LAND IN FARMS ACCORDING TO USE—Con.									
Total cropland-Con.									
Other cropland-Con.									
Cropland on which all crops failed	farms, 1987	11	43	68	21	51	38	7	57
	1982	8	15	30	13	26	20	9	18
	acres, 1987	327	862	979	450	688	670	87	1 223
	1982	565	192	719	114	231	340	312	799
Cropland in cultivated summer fallow	farms, 1987	17	32	84	28	112	27	10	43
	1982	19	40	83	38	114	30	5	50
	acres, 1987	329	553	1 617	966	2 216	365	263	922
	1982	652	555	1 091	1 178	1 949	606	56	835
Cropland idle	farms, 1987	33	163	244	140	293	85	28	148
	1982	20	125	231	137	271	43	45	137
	acres, 1987	1 522	5 198	8 408	6 303	9 650	4 334	1 016	5 953
	1982	579	3 195	6 164	3 806	7 803	696	1 989	3 244
Total woodland	farms, 1987	74	250	413	186	472	168	95	367
	1982	69	287	483	253	481	203	119	399
	acres, 1987	6 796	11 648	19 333	4 122	32 399	17 907	14 672	25 049
	1982	6 752	12 597	24 007	8 070	23 482	14 521	16 537	25 050
Woodland pastured	farms, 1987	32	67	100	50	70	86	54	131
	1982	37	64	103	46	73	97	53	154
	acres, 1987	1 250	1 996	3 487	760	3 812	5 679	6 306	6 949
	1982	2 462	1 671	3 133	2 173	2 372	4 983	7 064	5 872
Woodland not pastured	farms, 1987	59	220	368	154	444	138	80	311
	1982	51	252	431	223	433	146	94	327
	acres, 1987	5 546	9 652	15 846	3 362	28 587	12 228	8 366	18 100
	1982	4 290	10 926	20 874	5 897	21 110	9 538	9 473	19 178
Other land	farms, 1987	85	363	546	462	565	205	81	388
	1982	84	368	629	554	610	229	95	420
	acres, 1987	2 240	13 666	11 840	8 528	14 794	6 561	5 059	11 594
	1982	2 324	12 714	15 233	10 453	21 485	5 889	3 389	16 343
Pastureland and rangeland other than cropland and woodland pastured	farms, 1987	17	70	129	95	92	52	21	102
	1982	14	78	98	84	109	42	14	102
	acres, 1987	627	4 863	3 321	1 796	4 473	2 234	3 282	4 320
	1982	1 095	2 480	2 815	1 845	7 745	2 643	1 711	5 672
Land in house lots, ponds, roads, wasteland, etc.	farms, 1987	78	349	514	436	545	194	78	373
	1982	82	352	622	543	600	221	90	413
	acres, 1987	1 613	8 803	8 519	6 732	10 321	4 327	1 777	7 274
	1982	1 229	10 234	12 418	8 608	13 740	3 246	1 678	10 671
Pastureland, all types	farms, 1987	75	208	388	340	286	178	81	364
	1982	78	261	430	344	307	215	113	385
	acres, 1987	4 649	9 366	14 917	8 853	13 364	15 579	12 591	24 795
	1982	5 692	7 896	14 803	12 074	17 000	17 234	13 277	28 342
Cropland diverted under annual commodity acreage adjustment programs	farms, 1987	30	93	190	54	85	73	4	62
	1982	11	23	89	11	31	24	9	29
	acres, 1987	(D)	(D)	5 503	(D)	1 920	(D)	(D)	1 636
	1982	201	813	773	324	376	410	51	316
Cropland placed under the conservation reserve program	farms, 1987	1	3	10	2	3	1	-	10
	acres, 1987	(D)	(D)	209	(D)	43	(D)	-	746

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
LAND IN FARMS ACCORDING TO USE—Con.									
Total cropland-Con.									
Other cropland-Con.									
Cropland on which all crops failed	farms, 1987	3	25	73	24	1	73	93	14
	1982	-	6	28	37	-	50	103	34
	acres, 1987	68	337	1 376	475	(D)	1 605	1 874	418
	1982	-	193	443	802	-	484	2 392	506
Cropland in cultivated summer fallow	farms, 1987	4	15	90	51	3	69	214	28
	1982	6	18	82	32	-	41	239	21
	acres, 1987	56	325	1 392	1 199	(D)	2 486	8 254	752
	1982	65	535	1 226	778	-	616	6 864	501
Cropland idle	farms, 1987	13	31	482	61	2	414	376	367
	1982	13	31	298	51	3	177	341	257
	acres, 1987	562	766	14 627	1 528	(D)	15 530	15 528	22 640
	1982	367	951	5 978	1 087	(D)	3 425	9 779	5 849
Total woodland	farms, 1987	72	104	575	214	23	609	527	458
	1982	69	121	603	254	23	754	615	537
	acres, 1987	4 847	16 773	14 979	22 107	1 556	18 355	14 493	17 977
	1982	5 353	18 978	19 551	26 767	1 551	22 131	14 054	16 656
Woodland pastured	farms, 1987	31	37	131	81	13	102	113	106
	1982	40	45	195	129	12	124	152	125
	acres, 1987	1 402	7 346	2 012	5 286	1 055	3 194	2 416	3 029
	1982	2 652	7 314	6 273	9 347	744	2 384	2 837	2 926
Woodland not pastured	farms, 1987	62	86	498	180	15	543	448	390
	1982	47	103	487	185	16	676	505	461
	acres, 1987	3 445	9 427	12 967	16 821	501	15 161	12 077	14 948
	1982	2 701	11 664	13 278	17 420	807	19 747	11 217	13 730
Other land	farms, 1987	61	94	1 103	188	19	988	858	684
	1982	74	102	1 213	235	27	1 212	962	839
	acres, 1987	1 641	4 998	16 763	7 964	241	12 852	13 614	16 177
	1982	2 215	3 755	17 867	9 532	449	18 074	15 526	22 588
Pastureland and rangeland other than cropland and woodland pastured	farms, 1987	17	19	199	46	4	96	137	130
	1982	22	17	187	44	2	80	129	129
	acres, 1987	836	3 400	4 681	2 028	128	1 609	2 707	3 279
	1982	795	2 554	4 138	4 169	(D)	2 026	3 075	4 047
Land in house lots, ponds, roads, wasteland, etc.	farms, 1987	59	86	1 057	179	18	955	823	660
	1982	74	96	1 166	224	27	1 198	930	814
	acres, 1987	805	1 598	12 062	5 936	113	11 243	10 907	12 898
	1982	1 420	1 201	13 729	5 363	(D)	16 048	12 451	18 541
Pastureland, all types	farms, 1987	57	83	646	209	24	307	520	398
	1982	68	92	707	240	28	333	600	430
	acres, 1987	5 898	14 512	15 643	16 885	(D)	8 037	15 868	12 456
	1982	5 463	13 842	21 910	23 383	2 534	7 649	17 195	15 018
Cropland diverted under annual commodity acreage adjustment programs	farms, 1967	2	17	358	24	-	585	194	444
	1982	-	12	59	4	1	82	65	155
	acres, 1987	(D)	531	11 185	(D)	-	(D)	10 615	26 506
	1982	-	120	975	33	(D)	1 154	1 324	4 496
Cropland placed under the conservation reserve program	farms, 1987	-	-	23	2	-	6	10	13
	acres, 1987	-	-	1 078	(D)	-	(D)	220	298

See footnotes at end of table.

Table 5. **Farms, Land in Farms, and Land Use: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

All Farms		Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
LAND IN FARMS ACCORDING TO USE—Con.									
Total cropland-Con.									
Other cropland-Con.									
Cropland on which all crops failed	farms, 1987	123	3	83	76	92	54	29	25
	1982	101	7	72	49	59	47	37	20
	acres, 1987	2 804	(D)	1 322	1 860	1 456	766	488	540
	1982	2 339	96	1 444	977	781	546	1 033	187
Cropland in cultivated summer fallow	farms, 1987	296	6	147	98	91	78	11	20
	1982	334	4	142	89	85	65	18	24
	acres, 1987	10 069	50	3 350	1 896	2 127	2 158	371	260
	1982	9 740	(D)	2 927	1 640	1 266	1 720	223	404
Cropland idle	farms, 1987	590	11	375	430	545	423	77	52
	1982	359	12	273	247	558	233	58	75
	acres, 1987	36 655	(D)	14 650	21 809	23 181	18 781	2 188	1 771
	1982	11 599	393	6 404	6 007	14 298	4 393	1 342	2 295
Total woodland	farms, 1987	731	36	618	582	699	538	75	133
	1982	822	47	692	673	841	669	121	175
	acres, 1987	19 430	4 011	18 516	17 468	21 328	14 486	1 114	9 068
	1982	25 313	5 989	16 637	20 977	23 109	21 826	2 833	9 585
Woodland pastured	farms, 1987	174	17	81	111	93	102	13	32
	1982	173	20	104	153	106	138	23	31
	acres, 1987	4 276	1 719	2 184	2 463	1 939	2 262	162	1 378
	1982	5 325	1 522	1 757	3 497	2 059	3 016	407	1 382
Woodland not pastured	farms, 1987	624	32	568	516	646	479	63	113
	1982	722	44	632	590	782	577	104	154
	acres, 1987	15 154	2 292	16 334	15 005	19 389	12 224	952	7 690
	1982	19 988	4 467	14 880	17 480	21 050	18 810	2 426	8 203
Other land	farms, 1987	1 141	39	900	901	1 011	945	224	130
	1982	1 372	39	1 105	1 039	1 225	1 080	272	188
	acres, 1987	21 240	1 846	18 789	17 148	21 070	18 818	2 058	3 488
	1982	27 799	722	24 427	21 273	24 308	22 824	3 844	4 965
Pastureland and rangeland other than cropland and woodland pastured	farms, 1987	150	9	101	126	138	194	27	25
	1982	148	4	152	107	142	182	28	22
	acres, 1987	4 420	1 515	2 175	3 272	2 585	4 241	434	706
	1982	5 711	92	3 517	2 802	3 457	4 582	672	1 354
Land in house lots, ponds, roads, wasteland, etc.	farms, 1987	1 097	36	875	855	970	906	218	125
	1982	1 351	39	1 085	1 067	1 202	1 057	262	186
	acres, 1987	16 820	331	16 614	13 876	18 485	14 577	1 624	2 782
	1982	22 088	630	20 910	18 471	20 851	18 242	3 172	3 611
Pastureland, all types	farms, 1987	659	34	361	399	430	589	94	101
	1982	756	39	483	481	500	596	91	132
	acres, 1987	25 315	5 460	11 579	12 721	12 278	15 575	1 380	4 660
	1982	28 535	3 069	13 080	15 042	13 808	16 714	1 669	7 134
Cropland diverted under annual commodity acreage adjustment programs	farms, 1987	716	4	424	556	258	401	12	30
	1982	167	1	116	117	95	71	3	15
	acres, 1987	41 358	43	16 743	29 912	13 180	18 851	856	(D)
	1982	4 075	(D)	1 715	2 245	2 140	1 037	62	88
Cropland placed under the conservation reserve program	farms, 1987	54	-	11	24	7	18	-	4
	acres, 1987	2 212	-	521	727	163	359	-	(D)

[1] Data are based on a sample of farms, see text.

Table 6. Harvested Cropland by Size of Farm and Acres Harvested: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Farms with harvested cropland		Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
Farms	**number, 1987**	**46 017**	**184**	**59**	**1 431**	**388**	**204**	**312**
	1982	**53 738**	**268**	**73**	**1 637**	**418**	**241**	**354**
	acres harvested, 1987	**6 172 468**	**14 390**	**6 209**	**147 135**	**34 589**	**24 329**	**52 407**
	1982	**7 255 909**	**19 700**	**6 469**	**185 981**	**34 934**	**28 831**	**58 698**
HARVESTED CROPLAND BY SIZE OF FARM								
1987 size of farm:								
1 to 9 acres	farms	1 253	2	2	47	7	3	3
	acres harvested	4 096	(D)	(D)	138	24	3	10
10 to 49 acres	farms	9 928	16	3	359	38	32	41
	acres harvested	154 522	269	33	5 054	692	490	677
50 to 69 acres	farms	3 364	15	5	137	11	18	13
	acres harvested	101 558	279	118	3 789	268	412	376
70 to 99 acres	farms	6 053	36	8	206	73	22	41
	acres harvested	250 634	983	230	8 283	2 127	673	1 396
100 to 139 acres	farms	5 253	22	2	171	63	28	34
	acres harvested	320 584	761	(D)	9 257	2 611	1 302	2 000
140 to 179 acres	farms	4 030	17	10	122	43	23	31
	acres harvested	333 277	829	496	10 400	2 630	1 429	2 383
180 to 219 acres	farms	2 759	20	3	71	36	10	21
	acres harvested	299 256	1 442	110	7 845	2 847	866	2 126
220 to 259 acres	farms	2 188	10	6	69	25	12	24
	acres harvested	295 707	1 051	592	9 817	2 236	1 189	3 412
260 to 499 acres	farms	6 183	30	9	154	66	31	57
	acres harvested	1 332 624	3 418	1 030	35 669	8 588	5 206	12 941
500 to 999 acres	farms	3 649	13	10	70	22	15	35
	acres harvested	1 654 350	3 227	3 280	31 209	8 052	4 577	15 740
1,000 to 1,999 acres	farms	1 126	2	1	21	3	9	11
	acres harvested	1 007 203	(D)	(D)	17 617	(D)	(D)	(D)
2,000 acres or more	farms	221	1	-	4	1	1	1
	acres harvested	418 657	(D)	-	8 077	(D)	(D)	(D)
1982 size of farm:								
1 to 9 acres	farms	1 372	2	1	58	2	5	5
	acres harvested	4 452	(D)	(D)	147	(D)	15	13
10 to 49 acres	farms	12 022	41	9	426	60	30	54
	acres harvested	201 906	(D)	88	6 683	866	501	982
50 to 69 acres	farms	4 050	15	1	156	25	19	20
	acres harvested	133 341	450	(D)	5 026	611	471	647
70 to 99 acres	farms	7 341	53	11	253	63	32	37
	acres harvested	340 989	1 424	251	11 304	2 107	968	1 566
100 to 139 acres	farms	6 171	33	10	194	66	35	47
	acres harvested	424 929	1 214	475	13 351	3 057	1 467	3 155
140 to 179 acres	farms	4 710	26	8	133	58	27	35
	acres harvested	437 686	1 208	493	13 338	4 459	1 457	3 289
180 to 219 acres	farms	3 431	25	6	81	27	22	22
	acres harvested	420 054	2 105	497	10 651	1 740	1 895	2 477
220 to 259 acres	farms	2 623	18	5	57	25	12	25
	acres harvested	399 227	1 676	418	9 787	2 188	1 411	4 183
260 to 499 acres	farms	7 283	39	10	184	61	28	70
	acres harvested	1 760 011	4 828	1 210	49 617	8 689	4 837	17 345
500 to 999 acres	farms	3 641	12	11	75	29	19	[illegible]
	acres harvested	1 821 398	3 639	2 820	40 102	8 915	5 843	10 4[illegible]
1,000 to 1,999 acres	farms	919	4	1	15	2	11	4
	acres harvested	913 808	2 509	(D)	16 519	(D)	(D)	(D)
2,000 acres or more	farms	175	-	-	3	-	1	2
	acres harvested	398 108	-	-	9 456	-	(D)	(D)
HARVESTED CROPLAND BY ACRES HARVESTED								
1987 acres harvested:								
1 to 9 acres	farms	5 544	13	9	208	32	25	25
	acres	26 770	66	34	911	151	107	110
10 to 19 acres	farms	5 616	23	4	218	46	22	29
	acres	76 442	322	41	2 941	646	295	371
20 to 29 acres	farms	4 254	30	6	146	43	23	22
	acres	99 416	667	149	3 420	977	519	545
30 to 49 acres	farms	6 302	38	8	213	74	34	46
	acres	238 519	1 411	321	7 957	2 827	1 270	1 677
50 to 99 acres	farms	8 682	36	14	252	105	35	53
	acres	608 503	2 446	943	17 446	7 235	2 412	3 880
100 to 199 acres	farms	6 866	31	6	199	50	33	49
	acres	958 964	4 429	726	27 896	6 767	4 342	7 182
200 to 499 acres	farms	6 088	10	12	147	31	23	62
	acres	1 881 195	2 732	3 995	45 414	9 765	6 737	18 237
500 to 999 acres	farms	2 075	2	-	36	6	5	22
	acres	1 395 779	(D)	-	23 636	(D)	3 550	14 096
1,000 acres or more	farms	590	1	-	12	1	4	4
	acres	886 880	(D)	-	17 514	(D)	5 087	6 307
1982 acres harvested:								
1 to 9 acres	farms	5 962	27	11	231	44	33	22
	acres	28 906	144	45	972	241	149	111
10 to 19 acres	farms	6 146	37	7	233	38	33	35
	acres	84 200	491	86	3 246	514	446	462
20 to 29 acres	farms	4 785	43	5	157	61	13	24
	acres	112 015	998	121	3 672	1 423	311	533
30 to 49 acres	farms	7 221	47	11	211	78	43	49
	acres	271 980	1 703	398	7 987	2 940	1 548	1 854
50 to 99 acres	farms	10 561	57	17	309	99	44	60
	acres	744 285	3 667	1 116	21 546	7 030	3 008	4 262
100 to 199 acres	farms	8 685	33	10	233	62	40	60
	acres	1 217 510	4 328	1 281	32 565	8 827	5 531	8 383
200 to 499 acres	farms	7 476	19	12	200	31	25	83
	acres	2 291 540	5 086	3 422	60 730	9 674	8 214	24 854
500 to 999 acres	farms	2 269	5	-	50	4	8	17
	acres	1 517 882	3 283	-	32 634	(D)	4 262	11 540
1,000 acres or more	farms	633	-	-	13	1	4	4
	acres	987 591	-	-	22 629	(D)	5 362	6 699

[For meaning of abbreviations and symbols, see introductory text]

Farms with harvested cropland		Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
Farms	number, 1987	56	797	883	129	1 381	937	1 057
	1982	73	955	1 020	172	1 682	1 090	1 175
	acres harvested, 1987	4 360	83 610	136 207	7 778	114 106	127 157	132 224
	1982	4 807	110 001	151 933	8 290	130 186	167 060	177 204
HARVESTED CROPLAND BY SIZE OF FARM								
1987 size of farm:								
1 to 9 acres	farms	1	9	34	5	96	14	13
	acres harvested	(D)	40	145	21	366	60	46
10 to 49 acres	farms	5	140	191	22	564	179	180
	acres harvested	61	2 206	4 333	228	7 436	3 267	2 882
50 to 69 acres	farms	2	68	86	12	127	50	75
	acres harvested	(D)	1 645	3 969	219	3 758	1 289	2 320
70 to 99 acres	farms	8	134	133	28	132	137	147
	acres harvested	202	4 195	7 876	681	5 823	5 605	5 046
100 to 139 acres	farms	9	109	100	15	123	117	130
	acres harvested	276	5 026	8 553	584	9 096	6 879	6 860
140 to 179 acres	farms	3	77	70	6	90	87	104
	acres harvested	(D)	4 720	7 982	212	8 402	6 406	6 913
180 to 219 acres	farms	5	43	50	8	46	60	78
	acres harvested	272	3 954	7 253	615	5 943	6 010	6 539
220 to 259 acres	farms	2	45	32	5	45	37	50
	acres harvested	(D)	5 749	5 392	276	6 159	4 942	5 462
260 to 499 acres	farms	15	94	101	18	89	127	148
	acres harvested	2 064	15 629	29 813	2 213	20 760	25 094	26 720
500 to 999 acres	farms	5	60	61	9	50	99	102
	acres harvested	906	25 375	32 392	(D)	23 745	42 342	41 206
1,000 to 1,999 acres	farms	1	15	21	1	16	26	27
	acres harvested	(D)	9 965	22 265	(D)	16 883	18 404	23 574
2,000 acres or more	farms	-	3	4	-	3	4	3
	acres harvested	-	5 106	6 234	-	5 735	6 859	4 656
1982 size of farm:								
1 to 9 acres	farms	-	8	37	6	108	16	11
	acres harvested	-	29	152	19	394	73	46
10 to 49 acres	farms	4	169	232	43	742	198	227
	acres harvested	35	3 278	5 277	450	10 051	3 858	3 924
50 to 69 acres	farms	4	82	83	19	167	80	91
	acres harvested	112	2 287	3 680	456	5 656	2 682	2 994
70 to 99 acres	farms	17	138	160	31	181	161	155
	acres harvested	339	5 719	10 459	771	9 250	8 223	6 460
100 to 139 acres	farms	9	132	130	16	128	131	135
	acres harvested	231	7 100	12 254	423	9 660	9 744	8 402
140 to 179 acres	farms	12	102	92	11	90	120	124
	acres harvested	510	7 759	11 508	556	9 257	11 580	10 894
180 to 219 acres	farms	6	54	53	13	49	64	76
	acres harvested	258	5 449	8 945	1 010	6 525	7 549	8 826
220 to 259 acres	farms	3	51	44	7	47	46	60
	acres harvested	128	7 517	6 888	497	7 615	7 512	8 347
260 to 499 acres	farms	11	117	114	16	105	152	177
	acres harvested	1 379	25 166	36 114	1 822	27 423	38 412	41 700
500 to 999 acres	farms	6	72	58	9	49	97	92
	acres harvested	(D)	35 938	34 799	(D)	25 341	49 165	47 966
1,000 to 1,999 acres	farms	1	6	16	1	16	21	22
	acres harvested	(D)	(D)	(D)	(D)	19 014	20 952	21 726
2,000 acres or more	farms	-	2	1	-	-	4	5
	acres harvested	-	(D)	(D)	-	-	7 310	15 919
HARVESTED CROPLAND BY ACRES HARVESTED								
1987 acres harvested:								
1 to 9 acres	farms	7	95	75	29	373	86	97
	acres	32	545	345	120	1 792	336	540
10 to 19 acres	farms	13	121	62	20	238	97	138
	acres	(D)	1 675	835	266	3 227	1 360	1 884
20 to 29 acres	farms	2	107	64	21	122	103	106
	acres	(D)	2 457	1 557	477	2 880	2 388	2 581
30 to 49 acres	farms	11	116	126	16	149	143	168
	acres	431	4 383	4 847	607	5 591	5 411	6 482
50 to 99 acres	farms	12	139	215	14	209	186	219
	acres	870	9 292	15 134	936	14 609	13 057	15 544
100 to 199 acres	farms	4	108	148	23	154	156	139
	acres	601	15 742	20 479	3 225	21 295	21 704	19 334
200 to 499 acres	farms	7	81	137	5	94	129	136
	acres	2 201	26 375	44 444	(D)	28 144	40 772	42 746
500 to 999 acres	farms	-	26	40	1	30	50	44
	acres	-	16 835	27 460	(D)	19 803	31 897	30 097
1,000 acres or more	farms	-	4	16	-	12	7	10
	acres	-	6 306	21 106	-	16 765	10 232	13 016
1982 acres harvested:								
1 to 9 acres	farms	12	75	84	38	431	46	85
	acres	40	407	438	172	2 013	238	426
10 to 19 acres	farms	12	114	79	40	303	101	132
	acres	149	1 609	1 100	513	4 017	1 454	1 825
20 to 29 acres	farms	11	129	69	26	161	104	116
	acres	267	3 010	1 659	593	3 824	2 510	2 727
30 to 49 acres	farms	14	159	132	22	203	146	153
	acres	529	5 900	4 952	855	7 573	5 691	5 898
50 to 99 acres	farms	11	178	234	20	252	256	249
	acres	750	12 459	17 155	1 375	17 483	18 040	17 942
100 to 199 acres	farms	6	145	200	17	172	204	193
	acres	806	20 534	27 712	2 306	23 774	28 688	26 941
200 to 499 acres	farms	6	110	159	7	117	158	170
	acres	(D)	34 457	49 569	(D)	35 584	51 184	52 113
500 to 999 acres	farms	1	40	52	1	31	61	65
	acres	(D)	24 381	34 208	(D)	20 348	39 395	44 410
1,000 acres or more	farms	-	5	11	-	12	14	12
	acres	-	7 244	15 140	-	15 570	19 860	24 922

Table 6. Harvested Cropland by Size of Farm and Acres Harvested: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with harvested cropland		Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
Farms	**number, 1987**	**732**	**196**	**150**	**311**	**260**	**1 246**	**16**
	1982	**913**	**228**	**176**	**352**	**275**	**1 425**	**16**
	acres harvested, 1987	**108 530**	**15 537**	**15 973**	**41 351**	**28 462**	**175 630**	**(D)**
	1982	**129 918**	**19 171**	**16 208**	**45 462**	**33 519**	**200 167**	**(D)**
HARVESTED CROPLAND BY SIZE OF FARM								
1987 size of farm:								
1 to 9 acres	farms	13	3	3	1	1	24	-
	acres harvested	43	4	8	(D)	(D)	87	-
10 to 49 acres	farms	155	38	25	16	40	246	6
	acres harvested	2 177	467	335	(D)	754	4 153	64
50 to 69 acres	farms	55	10	12	14	13	77	2
	acres harvested	1 590	180	261	441	326	2 380	(D)
70 to 99 acres	farms	90	27	11	31	34	201	4
	acres harvested	3 641	796	326	1 292	994	9 937	121
100 to 139 acres	farms	70	23	14	44	38	153	3
	acres harvested	3 866	668	452	2 530	2 169	10 491	135
140 to 179 acres	farms	54	22	17	38	34	144	-
	acres harvested	4 160	968	1 271	2 502	1 975	14 619	-
180 to 219 acres	farms	47	17	11	23	22	86	-
	acres harvested	4 721	927	677	1 973	1 827	11 315	-
220 to 259 acres	farms	41	8	9	22	19	54	-
	acres harvested	5 522	486	679	2 326	1 561	8 362	-
260 to 499 acres	farms	101	31	24	77	29	156	1
	acres harvested	19 831	4 079	3 427	13 245	4 650	40 553	(D)
500 to 999 acres	farms	72	14	19	39	24	74	-
	acres harvested	33 040	4 957	6 247	12 323	7 662	34 845	-
1,000 to 1,999 acres	farms	30	3	4	6	4	24	-
	acres harvested	25 078	2 006	(D)	3 795	3 193	23 163	-
2,000 acres or more	farms	4	-	1	1	2	7	-
	acres harvested	4 861	-	(D)	(D)	(D)	15 725	-
1982 size of farm:								
1 to 9 acres	farms	19	4	1	1	4	23	-
	acres harvested	53	11	(D)	(D)	12	97	-
10 to 49 acres	farms	199	40	23	24	35	281	7
	acres harvested	3 283	525	(D)	(D)	622	5 410	60
50 to 69 acres	farms	81	15	6	10	15	105	2
	acres harvested	2 765	396	129	279	354	3 892	(D)
70 to 99 acres	farms	114	33	26	47	37	232	2
	acres harvested	4 777	1 006	658	1 658	1 193	12 459	(D)
100 to 139 acres	farms	87	32	15	40	32	177	1
	acres harvested	5 740	1 073	667	2 153	1 649	14 045	(D)
140 to 179 acres	farms	75	16	19	41	38	156	1
	acres harvested	7 133	583	1 065	2 411	2 525	17 251	(D)
180 to 219 acres	farms	63	13	15	28	12	99	2
	acres harvested	7 229	821	932	2 274	807	13 633	(D)
220 to 259 acres	farms	50	15	14	18	26	66	-
	acres harvested	7 491	1 377	920	1 514	2 447	11 079	-
260 to 499 acres	farms	129	45	35	92	42	191	1
	acres harvested	30 917	7 045	4 706	15 911	7 419	54 178	(D)
500 to 999 acres	farms	78	11	18	46	29	74	-
	acres harvested	37 788	3 610	5 416	15 937	10 226	39 256	-
1,000 to 1,999 acres	farms	16	4	4	5	4	16	-
	acres harvested	(D)	2 723	1 370	2 944	2 285	17 537	-
2,000 acres or more	farms	2	-	-	-	3	5	-
	acres harvested	(D)	-	-	-	3 980	11 330	-
HARVESTED CROPLAND BY ACRES HARVESTED								
1987 acres harvested:								
1 to 9 acres	farms	85	33	17	4	17	120	5
	acres	454	155	51	13	95	626	(D)
10 to 19 acres	farms	82	29	19	25	30	108	2
	acres	1 120	388	248	350	406	1 521	(D)
20 to 29 acres	farms	63	25	13	20	35	91	2
	acres	1 446	552	299	440	824	2 128	(D)
30 to 49 acres	farms	91	40	26	53	38	168	6
	acres	3 388	1 521	967	1 946	1 421	6 400	213
50 to 99 acres	farms	145	35	30	71	68	276	1
	acres	10 277	2 270	2 058	4 919	4 793	19 454	(D)
100 to 199 acres	farms	114	14	17	71	41	240	-
	acres	16 257	2 019	2 163	9 510	5 283	32 959	-
200 to 499 acres	farms	99	15	23	56	20	179	-
	acres	32 853	4 899	7 232	16 867	6 302	54 260	-
500 to 999 acres	farms	43	5	5	10	8	50	-
	acres	29 015	3 733	2 955	(D)	4 728	33 864	-
1,000 acres or more	farms	10	-	-	1	3	14	-
	acres	13 720	-	-	(D)	4 610	24 418	-
1982 acres harvested:								
1 to 9 acres	farms	90	29	22	17	15	116	5
	acres	460	139	84	99	79	613	20
10 to 19 acres	farms	107	32	19	17	32	114	4
	acres	1 519	432	266	199	430	1 638	43
20 to 29 acres	farms	81	35	14	41	27	99	2
	acres	1 862	811	314	918	621	2 338	(D)
30 to 49 acres	farms	114	42	36	49	46	173	4
	acres	4 391	1 628	1 263	1 825	1 710	6 570	141
50 to 99 acres	farms	181	36	32	87	77	346	1
	acres	12 935	2 366	2 182	6 086	5 421	24 171	(D)
100 to 199 acres	farms	150	27	32	60	34	298	-
	acres	21 517	4 032	4 232	8 209	4 705	41 857	-
200 to 499 acres	farms	137	23	16	68	31	213	-
	acres	42 672	6 320	5 221	19 742	9 413	65 765	-
500 to 999 acres	farms	41	3	5	12	10	54	-
	acres	26 118	(D)	2 646	(D)	6 677	36 173	-
1,000 acres or more	farms	12	1	-	1	3	12	-
	acres	18 444	(D)	-	(D)	4 463	21 044	-

Table 6. Harvested Cropland by Size of Farm and Acres Harvested: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with harvested cropland	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
Farms .... **number, 1987**	**242**	**94**	**1 117**	**189**	**744**	**366**	**52**
1982	**280**	**114**	**1 245**	**222**	**916**	**390**	**71**
acres harvested, 1987	**25 500**	**10 132**	**139 369**	**16 124**	**96 319**	**30 587**	**2 233**
1982	**26 849**	**12 180**	**166 593**	**16 173**	**117 923**	**38 787**	**(D)**
HARVESTED CROPLAND BY SIZE OF FARM							
1987 size of farm:							
1 to 9 acres .... farms	5	5	20	5	19	1	1
acres harvested	9	17	80	19	63	(D)	(D)
10 to 49 acres .... farms	20	7	266	27	260	53	11
acres harvested	279	118	4 137	351	4 126	(D)	206
50 to 69 acres .... farms	13	4	82	8	75	20	9
acres harvested	207	122	2 371	146	2 414	575	172
70 to 99 acres .... farms	18	3	150	29	92	71	9
acres harvested	479	(D)	5 747	707	3 925	2 530	183
100 to 139 acres .... farms	25	5	135	20	68	56	7
acres harvested	1 097	190	7 950	656	4 645	2 726	414
140 to 179 acres .... farms	27	10	77	25	50	51	7
acres harvested	1 554	539	5 856	1 205	4 759	3 203	471
180 to 219 acres .... farms	27	6	76	15	29	18	3
acres harvested	1 972	270	8 719	1 204	3 789	1 250	249
220 to 259 acres .... farms	15	11	48	6	28	30	2
acres harvested	1 017	828	6 466	397	4 400	2 826	(D)
260 to 499 acres .... farms	52	28	155	37	58	43	3
acres harvested	7 771	4 060	33 720	5 295	13 340	6 551	(D)
500 to 999 acres .... farms	33	13	76	13	36	20	-
acres harvested	7 303	(D)	32 672	3 719	18 820	7 931	-
1,000 to 1,999 acres .... farms	5	2	29	4	23	3	-
acres harvested	(D)	(D)	26 522	2 425	22 495	2 051	-
2,000 acres or more .... farms	2	-	3	-	6	-	-
acres harvested	(D)	-	5 129	-	13 543	-	-
1982 size of farm:							
1 to 9 acres .... farms	1	5	23	6	30	1	-
acres harvested	(D)	16	93	13	102	(D)	-
10 to 49 acres .... farms	22	10	303	30	296	54	10
acres harvested	(D)	131	5 288	370	4 861	(D)	152
50 to 69 acres .... farms	7	5	99	14	86	26	11
acres harvested	91	118	3 065	223	2 991	767	199
70 to 99 acres .... farms	33	9	185	29	114	58	13
acres harvested	735	251	8 356	670	5 386	2 109	371
100 to 139 acres .... farms	37	7	130	31	106	58	10
acres harvested	1 694	145	9 271	1 095	8 211	3 402	520
140 to 179 acres .... farms	25	8	96	30	57	66	7
acres harvested	1 968	364	8 838	1 271	5 781	4 275	380
180 to 219 acres .... farms	41	12	90	13	44	25	10
acres harvested	2 277	868	12 304	878	6 607	2 288	701
220 to 259 acres .... farms	18	9	49	17	30	18	4
acres harvested	1 406	831	6 400	1 684	5 267	2 499	310
260 to 499 acres .... farms	57	34	154	40	96	58	5
acres harvested	7 813	5 378	36 025	5 855	25 657	9 549	(D)
500 to 999 acres .... farms	32	13	89	9	33	23	-
acres harvested	7 591	(D)	46 176	2 004	17 867	10 139	-
1,000 to 1,999 acres .... farms	6	2	25	2	17	3	1
acres harvested	2 489	(D)	(D)	(D)	18 723	2 814	(D)
2,000 acres or more .... farms	1	-	2	1	7	-	-
acres harvested	(D)	-	(D)	(D)	16 470	-	-
HARVESTED CROPLAND BY ACRES HARVESTED							
1987 acres harvested:							
1 to 9 acres .... farms	30	11	118	29	111	21	6
acres	128	43	641	147	554	145	15
10 to 19 acres .... farms	21	4	158	23	121	52	10
acres	281	53	2 112	311	1 671	725	122
20 to 29 acres .... farms	21	10	106	20	80	42	10
acres	486	215	2 533	456	1 931	952	224
30 to 49 acres .... farms	31	12	164	35	114	74	11
acres	1 143	442	6 282	1 272	4 200	2 833	410
50 to 99 acres .... farms	55	16	209	31	125	97	8
acres	3 859	1 105	14 776	2 008	8 875	6 831	560
100 to 199 acres .... farms	42	23	154	27	78	43	7
acres	5 762	3 064	21 623	3 725	10 872	5 652	902
200 to 499 acres .... farms	37	18	156	21	64	29	-
acres	10 652	5 210	47 554	6 017	18 365	8 328	-
500 to 999 acres .... farms	5	-	39	3	33	8	-
acres	3 189	-	27 024	2 188	21 981	5 121	-
1,000 acres or more .... farms	-	-	13	-	18	-	-
acres	-	-	16 824	-	27 870	-	-
1982 acres harvested:							
1 to 9 acres .... farms	22	17	108	32	126	15	6
acres	85	79	617	133	603	85	31
10 to 19 acres .... farms	35	7	161	42	132	60	13
acres	448	104	2 281	561	1 776	815	170
20 to 29 acres .... farms	24	10	133	20	92	43	8
acres	549	236	3 177	457	2 169	978	185
30 to 49 acres .... farms	39	16	168	45	138	57	18
acres	1 428	591	6 357	1 667	5 049	2 173	609
50 to 99 acres .... farms	74	16	247	37	150	108	22
acres	5 173	1 058	17 881	2 496	10 476	7 852	1 614
100 to 199 acres .... farms	48	24	203	21	135	61	3
acres	6 715	3 250	28 224	2 740	19 111	8 421	(D)
200 to 499 acres .... farms	33	24	150	22	99	32	1
acres	9 229	6 862	46 804	5 689	30 567	9 392	(D)
500 to 999 acres .... farms	5	-	58	2	28	14	-
acres	3 322	-	38 810	(D)	18 819	9 071	-
1,000 acres or more .... farms	-	-	17	1	16	-	-
acres	-	-	22 442	(D)	29 353	-	-

Table 6. Harvested Cropland by Size of Farm and Acres Harvested: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with harvested cropland		Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
Farms	**number, 1987**	**400**	**945**	**1 051**	**135**	**1 287**	**850**	**1 012**	**194**
	1982	**425**	**1 142**	**1 246**	**182**	**1 556**	**976**	**1 098**	**228**
	acres harvested, 1987	**36 179**	**205 688**	**143 798**	**10 017**	**322 799**	**130 575**	**156 360**	**17 051**
	1982	**39 072**	**236 505**	**186 636**	**10 021**	**358 724**	**160 037**	**173 200**	**25 756**
HARVESTED CROPLAND BY SIZE OF FARM									
1987 size of farm:									
1 to 9 acres	farms	19	13	14	1	23	24	20	2
	acres harvested	81	37	62	(D)	52	75	82	(D)
10 to 49 acres	farms	104	149	210	17	123	248	159	25
	acres harvested	1 515	2 784	3 490	145	2 841	3 489	2 370	341
50 to 69 acres	farms	33	55	91	9	40	74	65	10
	acres harvested	1 141	2 011	2 804	153	1 389	1 929	1 758	179
70 to 99 acres	farms	64	115	147	23	140	104	143	31
	acres harvested	2 457	5 785	5 749	545	8 184	4 672	5 640	1 011
100 to 139 acres	farms	53	98	118	19	135	68	134	23
	acres harvested	2 980	7 125	6 992	935	11 766	4 398	8 643	977
140 to 179 acres	farms	31	77	94	18	130	56	91	22
	acres harvested	2 589	7 838	7 310	660	14 748	4 718	7 863	1 146
180 to 219 acres	farms	16	81	67	3	95	39	67	13
	acres harvested	1 658	8 589	6 556	256	14 207	4 437	7 551	972
220 to 259 acres	farms	15	63	40	7	90	29	53	19
	acres harvested	2 054	10 080	5 295	582	16 369	4 279	7 183	1 904
260 to 499 acres	farms	38	156	151	26	263	114	153	32
	acres harvested	6 337	41 960	32 083	3 419	72 259	26 351	33 786	4 912
500 to 999 acres	farms	19	103	83	9	173	74	97	15
	acres harvested	7 655	55 776	37 735	1 279	92 441	34 116	42 559	(D)
1,000 to 1,999 acres	farms	6	46	31	2	65	16	19	2
	acres harvested	(D)	47 017	28 326	(D)	68 857	14 043	17 477	(D)
2,000 acres or more	farms	2	9	5	1	10	13	11	-
	acres harvested	(D)	16 688	7 396	(D)	19 686	28 066	21 448	-
1982 size of farm:									
1 to 9 acres	farms	14	20	18	1	20	30	18	2
	acres harvested	57	79	56	(D)	76	78	63	(D)
10 to 49 acres	farms	95	194	258	22	157	271	186	44
	acres harvested	1 321	4 376	4 829	(D)	3 629	4 008	3 543	756
50 to 69 acres	farms	50	70	116	9	55	85	89	17
	acres harvested	1 597	2 927	3 778	119	2 447	2 479	2 992	382
70 to 99 acres	farms	59	139	174	25	182	119	167	26
	acres harvested	2 484	7 958	8 745	602	11 576	5 456	7 843	919
100 to 139 acres	farms	50	125	155	38	192	90	130	28
	acres harvested	2 987	11 119	11 120	1 354	17 273	6 667	9 678	1 428
140 to 179 acres	farms	38	96	93	19	171	78	97	25
	acres harvested	2 658	10 677	8 902	718	21 558	7 797	9 689	2 028
180 to 219 acres	farms	33	67	80	11	133	40	85	19
	acres harvested	3 443	10 191	10 227	585	21 027	4 956	11 223	1 458
220 to 259 acres	farms	13	58	58	12	117	44	70	14
	acres harvested	1 489	10 423	10 625	760	23 155	7 115	11 380	1 319
260 to 499 acres	farms	45	213	168	38	314	112	154	35
	acres harvested	8 232	64 943	43 683	4 460	93 453	29 322	41 483	6 645
500 to 999 acres	farms	21	125	98	6	157	75	80	15
	acres harvested	7 987	72 718	54 456	931	88 008	40 408	41 874	6 381
1,000 to 1,999 acres	farms	9	33	27	1	51	20	16	1
	acres harvested	6 617	(D)	(D)	(D)	58 176	23 988	17 800	(D)
2,000 acres or more	farms	-	2	1	-	7	12	6	2
	acres harvested	-	(D)	(D)	-	18 346	27 763	15 632	(D)
HARVESTED CROPLAND BY ACRES HARVESTED									
1987 acres harvested:									
1 to 9 acres	farms	66	57	93	24	45	142	100	18
	acres	306	289	553	97	186	734	538	93
10 to 19 acres	farms	57	78	127	16	49	117	92	32
	acres	763	1 075	1 786	165	679	1 566	1 305	450
20 to 29 acres	farms	33	62	113	16	49	81	87	11
	acres	901	1 454	2 734	352	1 102	1 941	2 076	258
30 to 49 acres	farms	62	93	156	24	100	88	121	38
	acres	2 401	3 576	5 984	936	3 813	3 302	4 656	1 400
50 to 99 acres	farms	79	168	202	30	210	142	219	42
	acres	5 420	11 894	14 303	2 095	15 476	9 840	15 258	2 875
100 to 199 acres	farms	58	198	146	16	329	111	169	31
	acres	7 581	28 246	19 766	2 384	47 183	15 765	23 686	4 623
200 to 499 acres	farms	26	181	150	7	336	118	160	17
	acres	7 978	59 087	46 069	(D)	106 153	35 663	49 366	4 183
500 to 999 acres	farms	10	78	50	1	126	40	48	5
	acres	6 727	57 034	33 852	(D)	86 890	25 017	32 207	3 169
1,000 acres or more	farms	3	30	14	1	43	20	16	-
	acres	4 072	43 033	18 741	(D)	61 317	36 747	27 268	-
1982 acres harvested:									
1 to 9 acres	farms	67	55	75	37	50	146	68	18
	acres	318	298	423	138	240	750	347	93
10 to 19 acres	farms	53	66	142	19	55	137	104	34
	acres	713	953	1 953	254	758	1 678	1 419	480
20 to 29 acres	farms	33	75	88	27	48	79	80	31
	acres	793	1 773	2 094	599	1 084	1 663	1 880	722
30 to 49 acres	farms	74	139	198	23	116	125	148	31
	acres	2 807	5 146	7 567	867	4 491	4 725	5 617	1 155
50 to 99 acres	farms	96	203	262	44	305	136	247	35
	acres	6 526	14 813	18 337	2 925	22 617	9 806	17 776	2 354
100 to 199 acres	farms	51	216	195	23	390	153	202	50
	acres	6 785	30 429	26 153	2 791	55 626	21 324	29 072	6 544
200 to 499 acres	farms	41	272	190	9	439	127	186	19
	acres	12 790	87 591	56 571	2 447	133 239	41 459	57 170	5 412
500 to 999 acres	farms	6	94	80	-	116	44	48	9
	acres	3 886	65 619	53 626	-	80 076	29 001	32 133	(D)
1,000 acres or more	farms	4	22	16	-	39	29	15	1
	acres	4 442	29 883	19 912	-	60 593	49 231	27 786	(D)

Table 6. **Harvested Cropland by Size of Farm and Acres Harvested: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with harvested cropland	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
Farms number, 1987	**86**	**831**	**959**	**730**	**81**	**1 175**	**2**	**98**
1982	**89**	**947**	**1 145**	**867**	**75**	**1 360**	**1**	**105**
acres harvested, 1987	**7 251**	**122 657**	**112 986**	**94 047**	**5 801**	**121 233**	**(D)**	**6 030**
1982	**8 551**	**138 700**	**147 343**	**119 609**	**8 143**	**146 441**	**(D)**	**7 529**
HARVESTED CROPLAND BY SIZE OF FARM								
1987 size of farm:								
1 to 9 acres farms	-	10	22	60	1	63	-	-
acres harvested	-	34	75	167	(D)	180	-	-
10 to 49 acres farms	7	128	208	208	16	331	2	20
acres harvested	(D)	2 141	3 059	2 933	(D)	4 660	(D)	307
50 to 69 acres farms	2	47	111	45	3	110	-	3
acres harvested	(D)	1 346	2 819	903	30	3 025	-	95
70 to 99 acres farms	14	110	114	87	14	135	-	20
acres harvested	427	4 551	4 144	3 218	406	5 384	-	615
100 to 139 acres farms	13	107	119	53	5	132	-	11
acres harvested	552	6 832	6 031	3 048	99	7 913	-	432
140 to 179 acres farms	7	91	71	56	9	83	-	14
acres harvested	354	8 417	4 875	4 120	594	7 415	-	696
180 to 219 acres farms	7	58	60	39	3	68	-	7
acres harvested	403	7 510	5 032	3 890	275	7 148	-	451
220 to 259 acres farms	6	39	37	27	10	37	-	3
acres harvested	410	5 525	4 163	3 203	711	4 816	-	367
260 to 499 acres farms	16	149	116	67	15	127	-	15
acres harvested	2 023	35 908	21 275	14 755	1 542	27 026	-	1 892
500 to 999 acres farms	9	74	68	54	4	62	-	4
acres harvested	1 661	34 342	26 498	26 335	1 419	29 927	-	(D)
1,000 to 1,999 acres farms	5	18	25	26	1	27	-	1
acres harvested	1 276	16 051	20 394	23 126	(D)	23 739	-	(D)
2,000 acres or more farms	-	-	8	8	-	-	-	-
acres harvested	-	-	14 621	8 349	-	-	-	-
1982 size of farm:								
1 to 9 acres farms	-	11	22	59	2	66	-	-
acres harvested	-	27	72	141	(D)	238	-	-
10 to 49 acres farms	10	158	304	255	7	363	-	13
acres harvested	149	3 081	4 912	3 952	(D)	5 086	-	177
50 to 69 acres farms	6	48	104	56	7	132	-	4
acres harvested	145	1 653	2 941	1 360	53	4 127	-	134
70 to 99 acres farms	7	144	158	110	9	178	-	19
acres harvested	200	6 981	6 428	4 778	218	8 227	-	571
100 to 139 acres farms	10	140	143	83	6	150	1	16
acres harvested	297	10 357	8 935	5 863	314	10 625	(D)	714
140 to 179 acres farms	9	82	100	54	9	102	-	12
acres harvested	326	8 265	7 753	4 566	520	9 632	-	561
180 to 219 acres farms	9	73	66	44	3	81	-	9
acres harvested	640	9 911	7 539	5 114	315	10 228	-	783
220 to 259 acres farms	5	48	36	33	9	69	-	7
acres harvested	341	7 589	5 229	4 941	1 029	11 209	-	630
260 to 499 acres farms	19	158	118	89	16	134	-	20
acres harvested	2 303	39 429	27 484	23 027	2 590	32 721	-	2 588
500 to 999 acres farms	9	67	60	55	7	62	-	5
acres harvested	2 798	34 187	28 833	31 645	3 001	31 070	-	1 371
1,000 to 1,999 acres farms	5	18	24	21	-	20	-	-
acres harvested	1 352	17 200	24 184	22 050	-	17 449	-	-
2,000 acres or more farms	-	-	10	8	-	3	-	-
acres harvested	-	-	23 033	12 172	-	5 829	-	-
HARVESTED CROPLAND BY ACRES HARVESTED								
1987 acres harvested:								
1 to 9 acres farms	4	50	113	167	17	222	1	9
acres	20	268	582	697	54	1 061	(D)	56
10 to 19 acres farms	6	96	157	100	9	172	1	16
acres	80	1 335	2 125	1 392	138	2 324	(D)	200
20 to 29 acres farms	14	64	103	73	12	112	-	11
acres	334	1 457	2 435	1 689	270	2 597	-	238
30 to 49 acres farms	18	95	142	76	9	159	-	25
acres	694	3 548	5 307	2 846	337	5 958	-	891
50 to 99 acres farms	23	167	184	109	17	202	-	23
acres	1 534	12 035	12 875	7 677	1 186	14 177	-	1 578
100 to 199 acres farms	11	157	119	74	10	149	-	6
acres	1 503	22 171	16 242	10 449	1 435	21 277	-	869
200 to 499 acres farms	8	160	96	78	5	108	-	8
acres	(D)	49 341	30 319	25 046	(D)	34 107	-	2 198
500 to 999 acres farms	2	35	33	38	2	43	-	-
acres	(D)	24 125	23 532	25 736	(D)	29 387	-	-
1,000 acres or more farms	-	7	12	15	-	8	-	-
acres	-	8 377	19 569	18 515	-	10 345	-	-
1982 acres harvested:								
1 to 9 acres farms	8	55	141	164	11	216	1	12
acres	32	309	763	662	66	1 038	(D)	68
10 to 19 acres farms	6	81	165	117	12	186	-	10
acres	83	1 076	2 221	1 579	161	2 456	-	142
20 to 29 acres farms	11	71	125	86	6	123	-	16
acres	256	1 649	2 900	2 059	156	2 885	-	388
30 to 49 acres farms	19	126	178	116	5	175	-	19
acres	695	4 707	6 672	4 368	186	6 726	-	712
50 to 99 acres farms	16	208	211	121	14	254	-	28
acres	998	14 847	14 883	8 568	1 069	17 768	-	1 813
100 to 199 acres farms	18	192	148	108	14	203	-	10
acres	2 572	27 094	19 777	15 112	1 863	28 441	-	1 382
200 to 499 acres farms	9	163	124	93	11	146	-	10
acres	(D)	50 178	39 742	29 414	(D)	43 921	-	3 024
500 to 999 acres farms	2	42	33	42	2	46	-	-
acres	(D)	28 027	23 857	29 961	(D)	29 878	-	-
1,000 acres or more farms	-	9	20	20	-	9	-	-
acres	-	10 813	36 528	27 886	-	13 328	-	-

Table 6. Harvested Cropland by Size of Farm and Acres Harvested: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with harvested cropland	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
Farms number, 1987	1 067	368	1 265	663	31	75	600	258
1982	1 219	408	1 490	753	29	91	751	279
acres harvested, 1987	126 110	27 130	254 847	71 499	3 115	9 248	54 241	18 203
1982	147 303	31 464	310 907	85 977	3 543	12 218	68 048	18 837
HARVESTED CROPLAND BY SIZE OF FARM								
1987 size of farm:								
1 to 9 acres farms	29	9	31	18	1	1	57	3
acres harvested	82	25	150	50	(D)	(D)	146	4
10 to 49 acres farms	303	56	221	205	4	3	204	64
acres harvested	4 260	694	4 242	2 457	27	31	3 124	793
50 to 69 acres farms	89	34	100	58	-	2	54	15
acres harvested	2 469	640	4 167	1 583	-	(D)	1 847	296
70 to 99 acres farms	147	54	130	77	1	15	82	39
acres harvested	5 294	1 836	7 476	3 008	(D)	485	3 815	955
100 to 139 acres farms	91	56	158	63	4	5	49	35
acres harvested	4 765	2 561	12 708	3 432	30	259	3 495	1 035
140 to 179 acres farms	90	44	113	50	4	9	40	28
acres harvested	7 560	2 735	12 172	3 672	316	477	4 409	1 345
180 to 219 acres farms	44	33	82	36	2	3	27	14
acres harvested	4 456	2 594	11 911	3 489	(D)	111	3 340	898
220 to 259 acres farms	46	20	54	25	-	4	12	7
acres harvested	5 924	1 559	8 733	3 381	-	260	2 298	652
260 to 499 acres farms	132	42	152	63	9	19	45	40
acres harvested	29 344	6 851	39 952	13 431	1 034	4 032	12 035	5 797
500 to 999 acres farms	66	14	160	47	4	11	23	9
acres harvested	29 721	4 342	86 418	20 228	857	2 120	13 041	3 676
1,000 to 1,999 acres farms	21	6	59	20	2	2	6	4
acres harvested	20 274	3 293	57 084	(D)	(D)	(D)	(D)	2 752
2,000 acres or more farms	9	-	5	1	-	1	1	-
acres harvested	11 961	-	9 834	(D)	-	(D)	(D)	-
1982 size of farm:								
1 to 9 acres farms	22	11	31	25	-	1	53	3
acres harvested	89	28	117	89	-	(D)	139	13
10 to 49 acres farms	342	64	324	219	1	4	267	59
acres harvested	5 567	914	6 392	2 886	(D)	(D)	4 406	599
50 to 69 acres farms	96	36	112	85	-	-	78	20
acres harvested	3 129	842	4 768	2 537	-	-	3 020	520
70 to 99 acres farms	173	62	188	79	4	15	92	44
acres harvested	7 058	2 216	10 287	3 156	113	423	4 853	1 226
100 to 139 acres farms	136	54	162	76	1	5	65	46
acres harvested	9 908	2 143	14 467	4 912	(D)	192	5 168	1 651
140 to 179 acres farms	106	54	115	58	5	11	51	27
acres harvested	9 754	3 009	14 258	4 271	192	468	6 249	1 202
180 to 219 acres farms	57	40	93	35	1	4	31	17
acres harvested	6 271	3 531	14 688	4 029	(D)	210	4 609	985
220 to 259 acres farms	55	18	63	28	1	5	28	8
acres harvested	7 918	1 937	12 881	3 766	(D)	433	5 477	458
260 to 499 acres farms	149	44	217	76	9	31	58	43
acres harvested	38 084	6 809	65 529	17 028	1 167	5 549	14 865	5 505
500 to 999 acres farms	54	20	149	55	5	11	26	7
acres harvested	25 566	6 145	88 608	27 385	1 088	2 489	(D)	2 421
1,000 to 1,999 acres farms	23	3	43	16	2	3	1	5
acres harvested	23 839	(D)	45 904	(D)	(D)	1 967	(D)	4 257
2,000 acres or more farms	6	2	13	1	-	1	1	-
acres harvested	11 120	(D)	33 008	(D)	-	(D)	(D)	-
HARVESTED CROPLAND BY ACRES HARVESTED								
1987 acres harvested:								
1 to 9 acres farms	169	60	93	127	7	4	139	42
acres	657	272	525	605	26	19	542	190
10 to 19 acres farms	161	39	84	107	3	7	73	53
acres	2 163	529	1 112	1 439	(D)	95	977	677
20 to 29 acres farms	123	44	67	51	1	6	61	36
acres	2 823	1 025	1 576	1 178	(D)	129	1 431	837
30 to 49 acres farms	142	66	150	101	3	17	90	49
acres	5 172	2 516	5 730	3 807	117	688	3 370	1 836
50 to 99 acres farms	171	80	260	106	5	11	100	32
acres	12 100	5 646	18 455	7 181	314	740	7 186	2 172
100 to 199 acres farms	114	50	245	59	5	12	68	24
acres	16 052	6 624	34 069	8 138	667	1 657	9 265	3 439
200 to 499 acres farms	133	24	205	79	7	16	44	15
acres	39 564	6 856	65 542	23 739	1 930	(D)	13 992	4 617
500 to 999 acres farms	38	4	139	27	-	2	23	7
acres	24 877	(D)	96 273	18 527	-	(D)	(D)	4 435
1,000 acres or more farms	16	1	22	6	-	-	2	-
acres	22 482	(D)	31 565	6 885	-	-	(D)	-
1982 acres harvested:								
1 to 9 acres farms	133	51	121	135	2	5	146	47
acres	674	222	658	672	(D)	14	622	228
10 to 19 acres farms	192	48	118	116	3	8	96	52
acres	2 635	638	1 634	1 594	37	97	1 349	686
20 to 29 acres farms	129	53	81	72	1	6	81	41
acres	2 996	1 218	1 903	1 674	(D)	132	1 894	970
30 to 49 acres farms	150	76	165	100	6	17	106	47
acres	5 716	2 861	6 316	3 824	214	632	3 975	1 757
50 to 99 acres farms	252	96	287	118	5	17	126	49
acres	17 447	6 594	20 659	7 982	(D)	1 184	8 834	3 246
100 to 199 acres farms	159	49	261	86	6	14	100	23
acres	21 996	6 817	36 988	12 034	898	2 014	13 924	2 920
200 to 499 acres farms	151	30	292	64	6	22	72	13
acres	45 658	8 414	91 358	25 406	1 961	(D)	19 531	3 494
500 to 999 acres farms	33	5	127	35	-	1	23	6
acres	21 139	(D)	67 173	24 185	-	(D)	(D)	(D)
1,000 acres or more farms	20	1	36	7	-	1	1	1
acres	29 042	(D)	64 218	8 606	-	(D)	(D)	(D)

Table 6. **Harvested Cropland by Size of Farm and Acres Harvested: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with harvested cropland	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
Farms number, 1987	76	391	569	348	399	276	1 148	884
1982	99	448	631	421	434	322	1 354	1 047
acres harvested, 1987	6 026	38 968	59 270	50 188	59 020	49 400	177 632	133 416
1982	6 022	49 740	68 214	54 544	67 264	53 047	208 633	160 632

HARVESTED CROPLAND BY SIZE OF FARM

Farms with harvested cropland	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
1987 size of farm:								
1 to 9 acres farms	1	9	5	2	10	2	59	8
acres harvested	(D)	23	10	(D)	35	(D)	202	29
10 to 49 acres farms	8	85	67	27	90	22	364	139
acres harvested	106	1 200	1 229	(D)	1 732	358	7 469	2 291
50 to 69 acres farms	2	20	29	8	30	13	95	62
acres harvested	(D)	545	703	234	1 104	500	4 245	1 514
70 to 99 acres farms	8	59	92	20	69	30	118	135
acres harvested	221	2 253	2 966	645	3 244	1 175	7 470	4 844
100 to 139 acres farms	9	47	78	39	48	17	113	88
acres harvested	286	2 151	3 871	1 802	2 850	988	10 787	4 718
140 to 179 acres farms	8	34	61	43	22	23	62	77
acres harvested	237	2 526	3 820	2 317	1 880	1 517	7 634	5 677
180 to 219 acres farms	4	33	49	26	17	23	52	54
acres harvested	303	2 809	4 322	1 753	1 667	2 358	8 215	4 978
220 to 259 acres farms	4	21	36	23	18	21	54	53
acres harvested	103	2 540	3 452	1 621	2 950	3 045	10 073	6 966
260 to 499 acres farms	20	45	99	86	40	79	128	126
acres harvested	1 557	7 552	16 261	13 654	8 812	18 031	36 377	24 697
500 to 999 acres farms	8	32	46	57	38	35	69	107
acres harvested	1 480	12 095	17 835	17 860	16 154	14 932	40 519	45 821
1,000 to 1,999 acres farms	4	6	7	17	15	10	29	33
acres harvested	1 720	5 274	4 801	9 875	(D)	5 769	32 284	(D)
2,000 acres or more farms	-	-	-	-	2	1	5	2
acres harvested	-	-	-	-	(D)	(D)	12 357	(D)
1982 size of farm:								
1 to 9 acres farms	1	11	3	1	12	2	51	9
acres harvested	(D)	35	13	(D)	53	(D)	188	23
10 to 49 acres farms	15	94	84	28	98	28	413	193
acres harvested	(D)	1 445	1 461	(D)	2 194	(D)	8 425	3 176
50 to 69 acres farms	8	32	34	14	27	14	118	79
acres harvested	150	790	1 040	238	994	446	5 369	2 184
70 to 99 acres farms	18	69	113	30	75	30	174	141
acres harvested	570	2 481	3 996	863	3 773	1 108	12 165	5 683
100 to 139 acres farms	8	51	78	26	60	27	132	129
acres harvested	107	3 072	3 458	1 104	3 778	1 939	12 873	8 299
140 to 179 acres farms	5	30	64	53	30	35	82	98
acres harvested	139	3 048	4 034	3 042	3 149	3 078	11 376	8 428
180 to 219 acres farms	6	39	48	39	28	18	70	62
acres harvested	390	3 916	4 156	2 998	4 005	1 659	12 252	7 328
220 to 259 acres farms	3	28	45	41	16	27	66	66
acres harvested	93	3 724	5 089	2 643	2 527	4 031	13 909	9 517
260 to 499 acres farms	22	57	109	110	43	93	151	146
acres harvested	1 812	11 757	18 789	16 397	12 029	19 503	46 598	35 204
500 to 999 acres farms	9	30	46	69	31	40	67	96
acres harvested	1 414	13 318	18 749	21 540	16 896	16 474	40 765	50 580
1,000 to 1,999 acres farms	4	7	6	10	12	8	26	25
acres harvested	1 222	6 154	(D)	5 296	(D)	4 433	30 849	23 811
2,000 acres or more farms	-	-	1	-	2	-	4	3
acres harvested	-	-	(D)	-	(D)	-	13 864	6 399

HARVESTED CROPLAND BY ACRES HARVESTED

Farms with harvested cropland	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
1987 acres harvested:								
1 to 9 acres farms	10	58	35	15	35	16	139	51
acres	32	264	194	82	188	74	652	277
10 to 19 acres farms	11	62	67	32	51	17	113	121
acres	147	818	897	440	708	218	1 525	1 682
20 to 29 acres farms	11	41	66	25	40	20	101	108
acres	254	921	1 511	538	882	458	2 425	2 566
30 to 49 acres farms	16	45	101	51	61	31	164	117
acres	584	1 731	3 805	1 947	2 171	1 189	6 224	4 625
50 to 99 acres farms	16	72	130	79	84	38	198	154
acres	1 064	5 021	9 064	5 340	5 717	2 696	14 204	10 861
100 to 199 acres farms	2	65	82	55	48	52	175	132
acres	(D)	9 158	11 457	7 691	6 780	7 464	24 353	19 418
200 to 499 acres farms	9	32	72	70	52	81	176	139
acres	2 961	9 705	22 334	19 640	16 321	23 924	52 727	44 085
500 to 999 acres farms	1	14	15	19	17	21	59	51
acres	(D)	(D)	(D)	(D)	10 763	13 377	40 159	34 273
1,000 acres or more farms	-	2	1	2	11	-	23	11
acres	-	(D)	(D)	(D)	15 490	-	35 363	15 629
1982 acres harvested:								
1 to 9 acres farms	19	64	44	26	40	21	142	88
acres	77	293	254	137	233	92	653	506
10 to 19 acres farms	12	61	80	39	46	16	142	104
acres	144	835	1 112	562	671	196	1 946	1 386
20 to 29 acres farms	22	43	87	27	35	12	101	116
acres	489	1 033	2 026	630	797	277	2 432	2 750
30 to 49 acres farms	12	57	89	61	74	43	175	143
acres	453	2 107	3 486	2 343	2 775	1 589	6 629	5 431
50 to 99 acres farms	20	78	144	97	91	56	258	181
acres	1 351	5 728	10 030	6 867	6 359	4 037	18 812	12 527
100 to 199 acres farms	6	73	88	83	66	75	230	176
acres	804	10 499	12 117	12 099	9 824	10 953	32 288	25 001
200 to 499 acres farms	8	50	76	70	47	85	219	167
acres	2 704	13 791	22 164	20 169	15 236	26 435	64 114	52 467
500 to 999 acres farms	-	19	20	18	26	13	62	60
acres	-	11 991	12 365	11 717	16 844	(D)	41 376	43 504
1,000 acres or more farms	-	3	3	-	9	1	25	12
acres	-	3 463	4 660	-	14 525	(D)	40 383	17 060

Table 6. Harvested Cropland by Size of Farm and Acres Harvested: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with harvested cropland		Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
Farms	**number, 1987**	103	391	626	408	637	264	111	441
	1982	100	425	736	510	699	279	139	504
	acres harvested, 1987	9 482	44 267	60 726	32 533	61 720	39 659	11 950	51 682
	1982	10 970	50 494	69 862	36 995	63 361	35 146	11 399	53 035
HARVESTED CROPLAND BY SIZE OF FARM									
1987 size of farm:									
1 to 9 acres	farms	-	16	7	46	15	3	-	2
	acres harvested	-	39	32	131	54	9	-	(D)
10 to 49 acres	farms	13	108	138	179	150	29	5	43
	acres harvested	185	1 391	2 212	1 956	2 086	469	66	(D)
50 to 69 acres	farms	5	46	48	28	40	12	1	29
	acres harvested	152	1 254	1 391	818	687	312	(D)	857
70 to 99 acres	farms	22	49	101	30	93	38	9	54
	acres harvested	635	1 963	3 265	1 146	3 031	1 425	257	1 825
100 to 139 acres	farms	12	54	67	23	73	27	8	61
	acres harvested	511	2 972	3 348	1 265	3 385	1 363	369	2 946
140 to 179 acres	farms	9	23	52	21	54	34	16	56
	acres harvested	526	1 725	3 611	1 240	3 610	1 975	700	2 983
180 to 219 acres	farms	6	14	53	19	44	13	6	32
	acres harvested	402	1 471	5 252	2 036	3 831	1 066	273	2 407
220 to 259 acres	farms	5	10	33	9	31	22	9	29
	acres harvested	461	1 360	3 296	871	3 892	2 459	459	3 341
260 to 499 acres	farms	20	35	81	30	74	49	42	80
	acres harvested	2 296	7 098	17 189	7 084	12 743	8 898	5 023	11 286
500 to 999 acres	farms	9	30	41	15	54	29	13	48
	acres harvested	(D)	12 940	16 660	6 848	20 813	12 337	3 765	19 434
1,000 to 1,999 acres	farms	2	3	5	6	4	4	2	7
	acres harvested	(D)	3 422	4 470	(D)	3 041	3 750	(D)	6 023
2,000 acres or more	farms	-	3	-	2	5	4	-	-
	acres harvested	-	8 632	-	(D)	4 347	5 596	-	-
1982 size of farm:									
1 to 9 acres	farms	2	14	6	61	11	3	1	1
	acres harvested	(D)	31	21	140	46	5	(D)	(D)
10 to 49 acres	farms	12	113	167	220	161	39	7	50
	acres harvested	229	1 730	2 623	2 771	2 294	625	112	(D)
50 to 69 acres	farms	6	45	45	27	43	11	6	19
	acres harvested	112	1 221	1 317	695	959	566	117	418
70 to 99 acre	farms	15	63	137	46	104	36	14	72
	acres harvested	436	2 330	4 986	1 823	3 380	1 249	331	2 208
100 to 139 acres	farms	6	49	89	36	100	37	12	75
	acres harvested	197	2 820	4 680	2 046	5 297	2 052	404	3 364
140 to 179 acres	farms	6	29	66	27	55	35	10	64
	acres harvested	408	2 342	5 181	2 236	4 050	1 865	453	3 989
180 to 219 acres	farms	18	23	52	21	52	16	19	49
	acres harvested	1 635	2 678	5 469	2 480	4 421	1 279	931	4 216
220 to 259 acres	farms	8	11	36	11	36	22	12	47
	acres harvested	972	1 519	4 489	1 502	3 890	2 676	766	4 852
260 to 499 acres	farms	18	50	99	40	87	44	48	71
	acres harvested	2 723	11 930	22 565	7 878	15 764	7 747	5 255	11 482
500 to 999 acres	farms	8	22	33	13	40	31	7	50
	acres harvested	3 886	10 958	15 540	6 359	14 361	13 395	2 098	17 272
1,000 to 1,999 acres	farms	1	3	5	6	7	5	2	6
	acres harvested	(D)	3 075	(D)	(D)	4 789	3 687	(D)	4 228
2,000 acres or more	farms	-	3	1	2	3	-	1	-
	acres harvested	-	9 860	(D)	(D)	4 110	-	(D)	-
HARVESTED CROPLAND BY ACRES HARVESTED									
1987 acres harvested:									
1 to 9 acres	farms	2	73	66	141	88	21	6	27
	acres	(D)	247	352	572	476	118	29	165
10 to 19 acres	farms	24	65	94	83	117	26	12	46
	acres	(D)	867	1 300	1 076	1 639	329	162	619
20 to 29 acres	farms	15	35	71	38	69	21	6	49
	acres	368	797	1 648	876	1 646	472	140	1 105
30 to 49 acres	farms	18	69	105	39	89	53	22	70
	acres	718	2 629	3 925	1 496	3 356	2 037	820	2 588
50 to 99 acres	farms	20	58	113	36	101	46	27	106
	acres	1 418	4 140	7 788	2 547	6 877	3 425	1 860	7 124
100 to 199 acres	farms	11	38	89	30	89	36	22	69
	acres	1 559	5 357	12 406	4 130	12 199	4 817	3 100	9 366
200 to 499 acres	farms	10	34	72	26	64	44	13	53
	acres	3 402	(D)	22 774	9 389	20 306	12 872	4 064	15 787
500 to 999 acres	farms	3	14	14	8	16	14	3	18
	acres	1 674	(D)	(D)	5 314	10 290	9 583	1 775	11 530
1,000 acres or more	farms	-	5	2	5	4	3	-	3
	acres	-	11 254	(D)	7 133	4 931	6 006	-	3 398
1982 acres harvested:									
1 to 9 acres	farms	4	66	89	186	92	16	11	26
	acres	11	292	501	753	452	73	45	166
10 to 19 acres	farms	11	66	105	86	116	32	12	50
	acres	176	952	1 390	1 159	1 625	405	155	738
20 to 29 acres	farms	15	51	69	40	74	31	22	57
	acres	316	1 147	1 643	942	1 719	709	479	1 292
30 to 49 acres	farms	15	61	132	57	102	36	25	90
	acres	501	2 381	4 952	2 149	3 784	1 329	944	3 314
50 to 99 acres	farms	20	72	142	55	148	72	32	123
	acres	1 343	4 733	9 727	3 651	10 488	5 091	2 420	8 509
100 to 199 acres	farms	19	45	93	37	83	41	26	90
	acres	2 547	6 540	13 155	5 027	11 663	5 849	3 573	12 667
200 to 499 acres	farms	13	47	89	35	66	35	10	52
	acres	4 261	14 534	26 786	10 245	19 550	10 907	(D)	15 729
500 to 999 acres	farms	3	12	16	10	14	15	1	16
	acres	1 815	7 705	(D)	6 819	8 934	(D)	(D)	10 620
1,000 acres or more	farms	-	5	1	4	4	1	-	-
	acres	-	12 210	(D)	6 250	5 146	(D)	-	-

Table 6. Harvested Cropland by Size of Farm and Acres Harvested: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with harvested cropland		Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
Farms	number, 1987	71	121	1 305	269	22	1 332	984	805
	1982	78	130	1 414	302	28	1 614	1 178	938
	acres harvested, 1987	6 250	12 121	112 721	37 031	1 396	246 217	107 002	136 100
	1982	6 723	12 153	123 172	38 011	(D)	273 534	143 393	161 056
HARVESTED CROPLAND BY SIZE OF FARM									
1987 size of farm:									
1 to 9 acres	farms	-	-	83	2	1	30	13	22
	acres harvested	-	-	231	(D)	(D)	97	33	98
10 to 49 acres	farms	7	8	403	13	4	297	231	137
	acres harvested	116	151	6 054	240	61	5 629	3 593	2 182
50 to 69 acres	farms	1	8	139	13	2	106	89	45
	acres harvested	(D)	136	4 064	371	(D)	4 727	2 573	1 537
70 to 99 acres	farms	11	7	168	29	7	174	140	97
	acres harvested	331	267	7 945	1 013	268	10 739	5 498	4 412
100 to 139 acres	farms	9	19	147	31	2	155	146	101
	acres harvested	534	802	9 690	1 185	(D)	13 126	8 559	6 177
140 to 179 acres	farms	13	14	73	35	1	141	93	79
	acres harvested	694	817	7 052	2 070	(D)	15 978	8 169	6 648
180 to 219 acres	farms	5	7	69	25	1	68	47	50
	acres harvested	375	447	8 297	1 755	(D)	10 356	4 840	4 759
220 to 259 acres	farms	2	6	52	20	2	50	43	40
	acres harvested	(D)	520	8 842	1 777	(D)	9 208	6 654	5 307
260 to 499 acres	farms	17	36	118	59	1	164	116	115
	acres harvested	2 618	4 359	29 033	8 569	(D)	47 644	27 816	25 948
500 to 999 acres	farms	5	10	43	32	1	98	47	91
	acres harvested	953	2 271	19 977	12 853	(D)	58 328	(D)	46 268
1,000 to 1,999 acres	farms	1	4	7	9	-	36	16	22
	acres harvested	(D)	(D)	5 289	7 129	-	41 225	(D)	19 600
2,000 acres or more	farms	-	2	3	1	-	13	3	6
	acres harvested	-	(D)	6 247	(D)	-	29 160	5 237	13 164
1982 size of farm:									
1 to 9 acres	farms	1	-	66	3	1	39	21	25
	acres harvested	(D)	-	224	10	(D)	162	65	94
10 to 49 acres	farms	11	10	474	22	6	376	289	174
	acres harvested	(D)	222	7 559	380	90	7 582	4 862	2 816
50 to 69 acres	farms	5	2	138	3	3	114	96	70
	acres harvested	141	(D)	4 853	144	65	4 804	2 976	2 442
70 to 99 acres	farms	9	13	213	32	3	247	174	105
	acres harvested	167	511	11 019	1 140	73	15 485	7 767	5 300
100 to 139 acres	farms	8	14	129	37	4	188	157	99
	acres harvested	368	788	9 427	1 508	200	16 933	10 524	6 881
140 to 179 acres	farms	16	17	81	45	2	140	94	105
	acres harvested	913	786	8 620	2 401	(D)	17 487	9 321	11 567
180 to 219 acres	farms	5	16	72	27	3	97	79	65
	acres harvested	474	1 063	9 908	2 010	246	15 522	11 135	8 707
220 to 259 acres	farms	-	9	59	20	2	70	50	46
	acres harvested	-	835	9 780	1 581	(D)	13 856	8 608	7 497
260 to 499 acres	farms	17	35	107	75	3	202	151	131
	acres harvested	2 572	3 774	28 491	11 180	552	62 273	38 099	33 889
500 to 999 acres	farms	5	11	45	31	1	101	51	91
	acres harvested	1 437	3 077	21 918	11 937	(D)	63 426	28 481	48 072
1,000 to 1,999 acres	farms	1	2	7	5	-	36	12	20
	acres harvested	(D)	(D)	5 681	(D)	-	46 114	13 290	21 203
2,000 acres or more	farms	-	1	3	2	-	4	4	5
	acres harvested	-	(D)	5 692	(D)	-	9 890	8 265	12 588
HARVESTED CROPLAND BY ACRES HARVESTED									
1987 acres harvested:									
1 to 9 acres	farms	1	4	246	9	3	99	106	73
	acres	(D)	29	990	52	14	486	539	372
10 to 19 acres	farms	14	14	183	22	2	118	127	70
	acres	(D)	205	2 484	320	(D)	1 625	1 713	1 020
20 to 29 acres	farms	6	6	137	24	3	95	110	59
	acres	141	139	3 261	556	(D)	2 244	2 489	1 429
30 to 49 acres	farms	8	22	190	46	6	134	168	105
	acres	319	801	7 039	1 749	235	5 164	6 361	4 020
50 to 99 acres	farms	21	32	234	78	5	314	193	179
	acres	1 473	2 192	16 244	5 293	(D)	22 106	13 737	12 422
100 to 199 acres	farms	12	31	157	29	1	257	129	120
	acres	1 630	4 402	21 951	3 868	(D)	35 963	18 130	16 148
200 to 499 acres	farms	9	11	132	45	2	196	113	130
	acres	2 505	(D)	39 455	13 127	(D)	61 273	34 181	41 309
500 to 999 acres	farms	-	1	21	14	-	84	32	55
	acres	-	(D)	12 890	(D)	-	59 785	21 256	37 011
1,000 acres or more	farms	-	-	5	2	-	35	6	14
	acres	-	-	[illegible] 407	(D)	-	57 571	8 596	22 389
1982 acres harvested:									
1 to 9 acres	farms	9	7	274	12	5	129	117	83
	acres	40	33	1 180	49	25	614	596	459
10 to 19 acres	farms	11	11	197	33	3	141	150	86
	acres	158	149	2 682	454	36	1 950	2 014	1 176
20 to 29 acres	farms	8	5	136	18	5	94	125	63
	acres	180	119	3 177	426	118	2 217	2 892	1 478
30 to 49 acres	farms	12	16	186	52	6	197	157	111
	acres	440	576	6 896	1 954	219	7 363	6 011	4 189
50 to 99 acres	farms	16	53	273	90	6	363	225	176
	acres	1 121	3 690	18 730	6 166	403	26 103	15 435	12 430
100 to 199 acres	farms	13	21	180	42	1	302	203	191
	acres	1 870	2 609	24 869	5 869	(D)	42 464	28 740	27 091
200 to 499 acres	farms	9	17	143	39	2	263	150	147
	acres	2 914	4 977	44 020	11 662	(D)	80 192	43 398	47 565
500 to 999 acres	farms	-	-	20	14	-	91	39	63
	acres	-	-	13 249	(D)	-	62 189	25 365	40 691
1,000 acres or more	farms	-	-	5	2	-	34	12	16
	acres	-	-	8 369	(D)	-	50 442	18 942	25 977

Table 6. **Harvested Cropland by Size of Farm and Acres Harvested: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with harvested cropland	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
Farms number, 1987	**1 440**	**43**	**1 078**	**1 110**	**1 187**	**1 063**	**259**	**151**
1982	**1 751**	**53**	**1 316**	**1 394**	**1 376**	**1 201**	**375**	**201**
acres harvested, 1987	**303 733**	**5 499**	**165 476**	**243 649**	**103 657**	**131 246**	**14 654**	**12 263**
1982	**345 800**	**5 213**	**182 595**	**281 916**	**120 184**	**161 359**	**27 085**	**17 301**
HARVESTED CROPLAND BY SIZE OF FARM								
1987 size of farm:								
1 to 9 acres farms	9	1	22	12	45	29	41	-
acres harvested	32	(D)	91	40	158	93	105	-
10 to 49 acres farms	183	6	220	190	387	286	115	20
acres harvested	3 333	61	3 914	3 206	4 536	3 974	1 500	207
50 to 69 acres farms	50	1	85	72	106	76	31	9
acres harvested	1 698	(D)	2 840	2 298	2 453	2 379	1 273	137
70 to 99 acres farms	159	1	153	161	173	122	15	28
acres harvested	7 097	(D)	7 431	7 293	5 868	4 974	728	830
100 to 139 acres farms	166	5	129	123	146	129	26	22
acres harvested	11 960	121	9 113	9 022	6 938	8 324	2 052	967
140 to 179 acres farms	165	5	78	88	79	84	6	14
acres harvested	16 867	200	7 552	8 904	5 877	7 106	680	679
180 to 219 acres farms	110	2	62	67	68	54	6	8
acres harvested	12 559	(D)	7 868	9 462	6 386	6 949	967	632
220 to 259 acres farms	103	4	46	47	38	43	4	12
acres harvested	16 678	334	8 002	7 816	3 966	6 603	493	990
260 to 499 acres farms	263	10	153	157	82	146	9	29
acres harvested	66 209	1 383	37 437	40 455	16 643	34 160	2 344	5 180
500 to 999 acres farms	161	5	102	124	46	74	4	9
acres harvested	84 069	1 499	49 864	66 216	20 053	36 578	(D)	2 641
1,000 to 1,999 acres farms	55	3	24	60	13	19	2	-
acres harvested	51 185	1 704	24 641	63 560	10 365	(D)	(D)	-
2,000 acres or more farms	16	-	4	9	4	1	-	-
acres harvested	32 046	-	6 723	25 377	20 414	(D)	-	-
1982 size of farm:								
1 to 9 acres farms	21	2	16	23	35	33	71	-
acres harvested	69	(D)	53	68	135	107	193	-
10 to 49 acres farms	250	8	295	216	473	305	149	34
acres harvested	4 961	59	5 801	4 437	6 083	4 742	2 587	422
50 to 69 acres farms	83	1	101	88	157	96	29	17
acres harvested	3 230	(D)	3 705	3 355	3 776	3 167	1 145	481
70 to 99 acres farms	211	2	211	207	189	140	35	36
acres harvested	11 458	(D)	12 002	10 940	7 000	6 896	1 915	1 014
100 to 139 acres farms	182	9	153	183	150	153	35	24
acres harvested	14 985	299	12 014	14 273	8 846	11 368	3 373	1 190
140 to 179 acres farms	192	8	102	106	97	98	16	21
acres harvested	19 942	481	10 976	11 902	8 275	9 820	1 594	1 284
180 to 219 acres farms	149	4	104	104	71	67	4	10
acres harvested	21 252	118	14 902	15 222	7 721	9 062	639	660
220 to 259 acres farms	126	2	57	54	49	53	5	13
acres harvested	22 413	(D)	9 796	10 368	6 993	9 416	813	1 274
260 to 499 acres farms	334	7	173	235	95	155	16	36
acres harvested	94 302	1 063	45 544	70 795	22 481	40 013	4 908	6 268
500 to 999 acres farms	151	8	90	133	51	82	11	9
acres harvested	84 760	2 061	49 396	78 764	26 159	43 681	6 890	(D)
1,000 to 1,999 acres farms	44	2	12	38	5	18	4	1
acres harvested	48 376	(D)	(D)	44 162	3 764	(D)	3 028	(D)
2,000 acres or more farms	8	-	2	7	4	1	-	-
acres harvested	20 052	-	(D)	17 630	18 951	(D)	-	-
HARVESTED CROPLAND BY ACRES HARVESTED								
1987 acres harvested:								
1 to 9 acres farms	53	7	87	72	289	166	97	19
acres	283	28	489	423	1 321	871	305	84
10 to 19 acres farms	104	2	124	125	205	140	35	23
acres	1 411	(D)	1 723	1 692	2 784	1 870	438	304
20 to 29 acres farms	102	3	91	76	126	87	30	14
acres	2 392	(D)	2 150	1 780	2 963	2 071	685	318
30 to 49 acres farms	126	9	131	128	154	139	27	29
acres	4 845	364	5 087	4 795	5 861	5 365	1 015	1 116
50 to 99 acres farms	280	8	215	180	199	173	30	25
acres	19 986	498	15 182	12 724	13 644	12 238	1 909	1 733
100 to 199 acres farms	315	4	175	201	109	152	24	23
acres	43 991	534	24 776	28 299	14 817	21 635	3 123	3 399
200 to 499 acres farms	305	7	188	180	73	148	11	17
acres	94 901	2 103	59 059	57 361	21 943	44 318	3 019	(D)
500 to 999 acres farms	119	3	52	106	26	49	3	1
acres	80 115	1 879	36 214	70 402	17 417	32 050	(D)	(D)
1,000 acres or more farms	38	-	15	42	6	9	2	-
acres	55 809	-	20 796	66 173	22 907	10 828	(D)	-
1982 acres harvested:								
1 to 9 acres farms	76	12	79	84	298	168	127	24
acres	369	48	414	423	1 490	843	496	111
10 to 19 acres farms	117	5	124	95	241	117	51	27
acres	1 650	67	1 741	1 315	3 333	1 607	675	351
20 to 29 acres farms	105	2	112	100	152	106	22	21
acres	2 449	(D)	2 665	2 387	3 511	2 442	546	454
30 to 49 acres farms	155	10	180	159	181	150	63	42
acres	5 918	329	6 631	5 939	6 651	5 771	2 389	1 571
50 to 99 acres farms	342	10	303	275	206	224	44	37
acres	24 135	643	21 603	19 546	13 905	16 115	3 001	2 539
100 to 199 acres farms	415	5	251	260	166	198	37	27
acres	58 862	550	35 659	37 653	22 510	27 919	4 743	3 593
200 to 499 acres farms	397	8	196	275	95	171	19	19
acres	123 771	2 958	58 730	87 287	28 884	53 088	6 129	5 745
500 to 999 acres farms	106	1	61	107	32	55	10	4
acres	73 273	(D)	40 051	70 843	19 871	36 714	(D)	2 937
1,000 acres or more farms	36	-	10	39	5	12	2	-
acres	55 373	-	15 101	56 523	20 029	16 860	(D)	-

Table 7. Irrigation: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Farms with irrigation		Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
Farms	number, 1987	3 755	4	7	186	16	37	16
	1982	3 179	2	4	120	10	37	7
Land in irrigated farms	acres, 1987	1 202 332	264	1 030	37 026	2 439	12 150	7 482
	1982	1 043 485	(D)	687	25 338	1 796	13 368	6 734
Harvested cropland	farms, 1987	3 722	4	7	184	16	37	16
	1982	3 173	2	4	120	10	37	7
	acres, 1987	756 212	82	36	20 960	721	7 158	4 245
	1982	738 758	(D)	26	17 739	526	8 723	3 752
Other cropland, excluding cropland pastured	farms, 1987	2 396	1	5	123	11	22	13
	1982	1 548	1	4	56	9	16	6
	acres, 1987	204 244	(D)	267	7 607	574	1 288	1 513
	1982	69 627	(D)	124	1 519	292	799	251
Pastureland, excluding woodland pastured	farms, 1987	785	3	4	23	3	9	1
	1982	666	1	-	12	2	10	1
	acres, 1987	40 737	86	141	491	123	729	(D)
	1982	41 469	(D)	-	929	(D)	617	(D)
Irrigated land	acres, 1987	314 953	(D)	17	9 965	131	3 997	1 143
	1982	285 963	(D)	27	7 122	98	4 102	1 261
Harvested cropland	farms, 1987	3 684	4	7	182	16	35	15
	1982	3 150	2	4	120	10	37	7
	acres, 1987	312 073	57	(D)	9 692	131	3 971	(D)
	1982	284 047	(D)	(D)	7 122	98	(D)	(D)
Pastureland and other land	farms, 1987	167	1	1	11	-	3	1
	1982	93	-	1	-	-	1	1
	acres, 1987	2 880	(D)	(D)	273	-	26	(D)
	1982	1 936	-	(D)	-	-	(D)	(D)
1987 irrigated acres by size of farm:								
1 to 9 acres	farms	374	-	-	17	4	3	1
	acres irrigated	755	-	-	36	14	3	(D)
10 to 49 acres	farms	831	1	1	52	1	5	2
	acres irrigated	5 853	(D)	(D)	464	(D)	21	(D)
50 to 69 acres	farms	230	1	2	15	-	9	-
	acres irrigated	3 301	(D)	(D)	318	-	71	-
70 to 99 acres	farms	306	2	1	24	4	2	-
	acres irrigated	6 713	(D)	(D)	566	16	(D)	-
100 to 139 acres	farms	271	-	-	12	1	3	-
	acres irrigated	8 934	-	-	453	(D)	107	-
140 to 179 acres	farms	198	-	2	10	-	-	3
	acres irrigated	8 756	-	(D)	682	-	-	50
180 to 219 acres	farms	141	-	-	10	1	1	1
	acres irrigated	7 705	-	-	574	(D)	(D)	(D)
220 to 259 acres	farms	137	-	-	6	2	3	1
	acres irrigated	8 148	-	-	343	(D)	35	(D)
260 to 499 acres	farms	459	-	1	22	2	4	2
	acres irrigated	44 615	-	(D)	2 660	(D)	531	(D)
500 to 999 acres	farms	527	-	-	11	1	3	4
	acres irrigated	102 269	-	-	1 825	(D)	476	719
1,000 to 1,999 acres	farms	227	-	-	6	-	3	2
	acres irrigated	70 993	-	-	(D)	-	735	(D)
2,000 acres or more	farms	54	-	-	1	-	1	-
	acres irrigated	46 911	-	-	(D)	-	(D)	-
1982 irrigated acres by size of farm:								
1 to 9 acres	farms	290	-	-	9	-	2	-
	acres irrigated	592	-	-	10	-	(D)	-
10 to 49 acres	farms	678	-	1	26	1	3	-
	acres irrigated	4 814	-	(D)	197	(D)	19	-
50 to 69 acres	farms	177	1	1	10	1	2	-
	acres irrigated	2 819	(D)	(D)	152	(D)	(D)	-
70 to 99 acres	farms	240	-	-	8	1	3	-
	acres irrigated	5 463	-	-	240	(D)	30	-
100 to 139 acres	farms	216	-	1	16	3	5	-
	acres irrigated	5 830	-	(D)	544	15	109	-
140 to 179 acres	farms	189	-	-	7	-	4	-
	acres irrigated	8 392	-	-	273	-	34	-
180 to 219 acres	farms	176	1	-	8	1	4	-
	acres irrigated	10 182	(D)	-	528	(D)	300	-
220 to 259 acres	farms	120	-	-	5	1	1	2
	acres irrigated	8 241	-	-	460	(D)	(D)	(D)
260 to 499 acres	farms	428	-	1	16	1	5	1
	acres irrigated	40 729	-	(D)	1 705	(D)	168	(D)
500 to 999 acres	farms	433	-	-	11	1	4	-
	acres irrigated	85 333	-	-	1 860	(D)	534	-
1,000 to 1,999 acres	farms	179	-	-	4	-	3	3
	acres irrigated	61 456	-	-	1 153	-	800	850
2,000 acres or more	farms	53	-	-	-	-	1	1
	acres irrigated	52 132	-	-	-	-	(D)	(D)

Table 7. **Irrigation: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with irrigation	Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
Farms ......number, 1987	1	25	90	27	211	135	56
1982	4	24	55	32	174	122	57
Land in irrigated farms ......acres, 1987	(D)	8 116	25 277	5 328	47 652	82 876	35 085
1982	623	8 033	16 391	6 669	32 857	77 172	38 118
Harvested cropland ...... farms, 1987	1	25	89	27	211	135	55
1982	4	24	55	32	174	122	57
acres, 1987	(D)	5 019	19 973	1 395	32 310	49 940	22 228
1982	44	5 728	14 408	2 105	23 489	58 668	30 746
Other cropland, excluding cropland pastured ...... farms, 1987	-	19	57	17	150	119	46
1982	2	15	21	14	115	66	3[illegible]
acres, 1987	-	1 413	3 240	1 226	8 238	15 872	7 259
1982	(D)	658	634	891	3 747	2 620	1 383
Pastureland, excluding woodland pastured ...... farms, 1987	-	12	1	-	22	44	23
1982	1	6	1	2	16	45	21
acres, 1987	-	416	(D)	-	625	1 975	534
1982	(D)	198	(D)	(D)	359	2 863	1 058
Irrigated land ......acres, 1987	(D)	2 716	6 630	602	9 208	22 965	8 453
1982	19	2 203	4 030	650	5 308	24 365	10 663
Harvested cropland ...... farms, 1987	1	25	89	27	211	135	55
1982	3	24	54	32	174	122	56
acres, 1987	(D)	2 716	(D)	(D)	9 202	22 870	(D)
1982	(D)	2 203	(D)	(D)	5 308	24 365	(D)
Pastureland and other land ...... farms, 1987	-	-	1	2	3	5	1
1982	1	-	1	1	-	-	1
acres, 1987	-	-	(D)	(D)	6	95	(D)
1982	(D)	-	(D)	(D)	-	-	(D)
1987 irrigated acres by size of farm:							
1 to 9 acres ...... farms	1	2	5	3	15	4	1
acres irrigated	(D)	(D)	6	9	29	4	(D)
10 to 49 acres ...... farms	-	3	9	3	46	6	5
acres irrigated	-	35	205	14	377	19	28
50 to 69 acres ...... farms	-	-	4	3	18	3	2
acres irrigated	-	-	75	21	275	47	(D)
70 to 99 acres ...... farms	-	2	8	4	19	8	2
acres irrigated	-	(D)	210	81	428	353	(D)
100 to 139 acres ...... farms	-	5	6	1	20	5	3
acres irrigated	-	168	294	(D)	457	253	46
140 to 179 acres ...... farms	-	1	8	1	14	6	-
acres irrigated	-	(D)	450	(D)	426	403	-
180 to 219 acres ...... farms	-	-	7	4	13	5	4
acres irrigated	-	-	537	104	526	(D)	224
220 to 259 acres ...... farms	-	3	6	1	19	1	1
acres irrigated	-	125	652	(D)	782	(D)	(D)
260 to 499 acres ...... farms	-	1	15	5	23	27	9
acres irrigated	-	(D)	1 760	245	1 901	3 645	965
500 to 999 acres ...... farms	-	7	8	2	16	48	18
acres irrigated	-	2 154	1 612	(D)	2 292	9 312	3 433
1,000 to 1,999 acres ...... farms	-	1	3	-	6	18	10
acres irrigated	-	(D)	(D)	-	(D)	5 561	3 063
2,000 acres or more ...... farms	-	-	1	-	2	4	1
acres irrigated	-	-	(D)	-	(D)	2 922	(D)
1982 irrigated acres by size of farm:							
1 to 9 acres ...... farms	-	1	3	1	11	1	1
acres irrigated	-	(D)	5	(D)	24	(D)	(D)
10 to 49 acres ...... farms	-	3	8	5	38	1	8
acres irrigated	-	19	70	26	223	(D)	55
50 to 69 acres ...... farms	1	2	4	3	11	3	1
acres irrigated	(D)	(D)	30	23	134	(D)	(D)
70 to 99 acres ...... farms	2	3	-	6	22	3	2
acres irrigated	(D)	33	-	81	337	90	(D)
100 to 139 acres ...... farms	-	2	2	3	19	4	2
acres irrigated	-	(D)	(D)	44	333	305	(D)
140 to 179 acres ...... farms	-	-	6	3	17	5	2
acres irrigated	-	-	262	81	490	469	(D)
180 to 219 acres ...... farms	-	-	3	2	5	4	2
acres irrigated	-	-	231	(D)	241	430	(D)
220 to 259 acres ...... farms	-	1	4	2	7	3	2
acres irrigated	-	(D)	442	(D)	99	428	(D)
260 to 499 acres ...... farms	1	4	16	4	29	34	15
acres irrigated	(D)	849	1 535	180	1 720	4 112	1 168
500 to 999 acres ...... farms	-	7	7	2	13	43	12
acres irrigated	-	911	1 133	(D)	(D)	9 676	2 375
1,000 to 1,999 acres ...... farms	-	1	2	1	2	18	8
acres irrigated	-	(D)	(D)	(D)	(D)	6 365	3 35[illegible]
2,000 acres or more ...... farms	-	-	-	-	-	3	2
acres irrigated	-	-	-	-	-	2 350	(D)

Table 7. **Irrigation: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with irrigation		Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
Farms	number, 1987	80	12	10	6	5	34	3
	1982	72	13	12	4	5	36	2
Land in irrigated farms	acres, 1987	53 969	1 570	865	924	3 194	14 389	(D)
	1982	42 807	1 668	1 329	630	2 733	13 355	(D)
Harvested cropland	farms, 1987	80	12	10	6	5	34	2
	1982	72	13	12	4	5	36	2
	acres, 1987	32 672	176	109	157	1 075	10 210	(D)
	1982	32 853	1 027	263	127	1 582	10 631	(D)
Other cropland, excluding cropland pastured	farms, 1987	70	8	4	5	3	19	1
	1982	30	8	7	3	3	17	1
	acres, 1987	10 634	318	278	323	177	2 067	(D)
	1982	1 499	93	224	313	139	529	(D)
Pastureland, excluding woodland pastured	farms, 1987	23	2	4	1	3	8	2
	1982	25	5	6	1	2	5	-
	acres, 1987	3 863	(D)	140	(D)	942	317	(D)
	1982	2 872	82	313	(D)	(D)	251	-
Irrigated land	acres, 1987	12 406	63	31	51	(D)	3 615	3
	1982	11 870	119	119	58	330	2 597	(D)
Harvested cropland	farms, 1987	80	12	10	5	4	34	2
	1982	72	13	11	4	5	34	2
	acres, 1987	(D)	(D)	31	(D)	(D)	3 612	(D)
	1982	(D)	119	(D)	58	330	2 591	(D)
Pastureland and other land	farms, 1987	1	1	-	1	3	3	1
	1982	2	-	1	-	-	3	-
	acres, 1987	(D)	(D)	-	(D)	(D)	3	(D)
	1982	(D)	-	(D)	-	-	6	-
1987 irrigated acres by size of farm:								
1 to 9 acres	farms	2	-	1	-	-	2	-
	acres irrigated	(D)	-	(D)	-	-	(D)	-
10 to 49 acres	farms	6	6	3	1	3	9	1
	acres irrigated	98	8	6	(D)	13	53	(D)
50 to 69 acres	farms	4	2	1	-	-	3	-
	acres irrigated	79	(D)	(D)	-	-	64	-
70 to 99 acres	farms	5	-	4	-	-	4	1
	acres irrigated	172	-	18	-	-	107	(D)
100 to 139 acres	farms	2	1	-	3	-	-	-
	acres irrigated	(D)	(D)	-	34	-	-	-
140 to 179 acres	farms	1	1	-	1	-	-	1
	acres irrigated	(D)	(D)	-	(D)	-	-	(D)
180 to 219 acres	farms	2	1	-	-	-	-	-
	acres irrigated	(D)	(D)	-	-	-	-	-
220 to 259 acres	farms	6	-	-	-	-	-	-
	acres irrigated	480	-	-	-	-	-	-
260 to 499 acres	farms	12	-	1	1	-	6	-
	acres irrigated	1 189	-	(D)	(D)	-	578	-
500 to 999 acres	farms	22	1	-	-	-	6	-
	acres irrigated	4 504	(D)	-	-	-	1 179	-
1,000 to 1,999 acres	farms	16	-	-	-	2	3	-
	acres irrigated	4 931	-	-	-	(D)	1 482	-
2,000 acres or more	farms	2	-	-	-	-	1	-
	acres irrigated	(D)	-	-	-	-	(D)	-
1982 irrigated acres by size of farm:								
1 to 9 acres	farms	3	2	-	-	1	1	-
	acres irrigated	5	(D)	-	-	(D)	(D)	-
10 to 49 acres	farms	4	4	4	-	1	9	2
	acres irrigated	28	7	20	-	(D)	42	(D)
50 to 69 acres	farms	4	1	1	-	-	5	-
	acres irrigated	50	(D)	(D)	-	-	40	-
70 to 99 acres	farms	3	2	5	1	-	3	-
	acres irrigated	170	(D)	13	(D)	-	31	-
100 to 139 acres	farms	1	-	-	-	-	-	-
	acres irrigated	(D)	-	-	-	-	-	-
140 to 179 acres	farms	4	-	-	1	-	4	-
	acres irrigated	230	-	-	(D)	-	86	-
180 to 219 acres	farms	6	1	-	2	-	1	-
	acres irrigated	400	(D)	-	(D)	-	(D)	-
220 to 259 acres	farms	1	1	-	-	-	-	-
	acres irrigated	(D)	(D)	-	-	-	-	-
260 to 499 acres	farms	19	1	2	-	-	6	-
	acres irrigated	2 151	(D)	(D)	-	-	555	-
500 to 999 acres	farms	16	1	-	-	2	2	-
	acres irrigated	3 304	(D)	-	-	(D)	(D)	-
1,000 to 1,999 acres	farms	9	-	-	-	1	4	-
	acres irrigated	4 526	-	-	-	(D)	1 131	-
2,000 acres or more	farms	2	-	-	-	-	1	-
	acres irrigated	(D)	-	-	-	-	(D)	-

Table 7. **Irrigation: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with irrigation		Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
Farms	number, 1987	20	12	40	14	41	4	3
	1982	16	11	30	16	30	-	2
Land in irrigated farms	acres, 1987	4 889	3 997	10 623	1 931	9 182	184	231
	1982	5 483	5 482	6 317	2 886	6 567	-	(D)
Harvested cropland	farms, 1987	20	12	40	14	41	4	3
	1982	16	11	30	16	30	-	2
	acres, 1987	2 077	1 196	6 011	625	5 933	129	12
	1982	1 705	2 085	4 568	1 591	4 394	-	(D)
Other cropland, excluding cropland pastured	farms, 1987	11	6	27	6	24	4	1
	1982	8	9	17	5	15	-	2
	acres, 1987	670	541	2 604	137	1 901	36	(D)
	1982	492	729	712	176	409	-	(D)
Pastureland, excluding woodland pastured	farms, 1987	3	4	11	4	5	-	1
	1982	6	1	6	5	5	-	1
	acres, 1987	228	156	491	142	57	-	(D)
	1982	212	(D)	31	219	92	-	(D)
Irrigated land	acres, 1987	335	542	1 286	349	1 713	17	3
	1982	405	816	1 676	364	1 240	-	(D)
Harvested cropland	farms, 1987	20	12	39	14	40	3	3
	1982	16	11	30	16	28	-	2
	acres, 1987	335	542	(D)	(D)	(D)	(D)	3
	1982	405	816	(D)	309	1 228	-	(D)
Pastureland and other land	farms, 1987	-	-	1	1	1	1	-
	1982	-	-	2	3	5	-	-
	acres, 1987	-	-	(D)	(D)	(D)	(D)	-
	1982	-	-	(D)	55	12	-	-
1987 irrigated acres by size of farm:								
1 to 9 acres	farms	2	2	4	3	7	-	1
	acres irrigated	(D)	(D)	13	7	15	-	(D)
10 to 49 acres	farms	8	1	10	5	13	3	-
	acres irrigated	51	(D)	81	14	71	(D)	-
50 to 69 acres	farms	1	-	1	1	5	-	1
	acres irrigated	(D)	-	(D)	(D)	33	-	(D)
70 to 99 acres	farms	-	-	3	-	3	1	-
	acres irrigated	-	-	27	-	13	(D)	-
100 to 139 acres	farms	1	-	6	1	3	-	-
	acres irrigated	(D)	-	114	(D)	16	-	-
140 to 179 acres	farms	-	1	-	1	2	-	1
	acres irrigated	-	(D)	-	(D)	(D)	-	(D)
180 to 219 acres	farms	1	-	-	1	1	-	-
	acres irrigated	(D)	-	-	(D)	(D)	-	-
220 to 259 acres	farms	1	1	3	1	1	-	-
	acres irrigated	(D)	(D)	149	(D)	(D)	-	-
260 to 499 acres	farms	1	5	7	-	1	-	-
	acres irrigated	(D)	260	332	-	(D)	-	-
500 to 999 acres	farms	4	1	4	1	2	-	-
	acres irrigated	143	(D)	345	(D)	(D)	-	-
1,000 to 1,999 acres	farms	1	1	1	-	2	-	-
	acres irrigated	(D)	(D)	(D)	-	(D)	-	-
2,000 acres or more	farms	-	-	1	-	1	-	-
	acres irrigated	-	-	(D)	-	(D)	-	-
1982 irrigated acres by size of farm:								
1 to 9 acres	farms	1	-	4	4	2	-	-
	acres irrigated	(D)	-	12	9	(D)	-	-
10 to 49 acres	farms	4	1	5	3	13	-	-
	acres irrigated	8	(D)	39	10	63	-	-
50 to 69 acres	farms	3	-	2	-	3	-	1
	acres irrigated	11	-	(D)	-	15	-	(D)
70 to 99 acres	farms	-	-	6	1	2	-	-
	acres irrigated	-	-	98	(D)	(D)	-	-
100 to 139 acres	farms	2	1	2	4	-	-	1
	acres irrigated	(D)	(D)	(D)	67	-	-	(D)
140 to 179 acres	farms	-	-	-	1	1	-	-
	acres irrigated	-	-	-	(D)	(D)	-	-
180 to 219 acres	farms	1	-	-	-	2	-	-
	acres irrigated	(D)	-	-	-	(D)	-	-
220 to 259 acres	farms	-	1	2	1	-	-	-
	acres irrigated	-	(D)	(D)	(D)	-	-	-
260 to 499 acres	farms	2	4	4	-	2	-	-
	acres irrigated	(D)	235	316	-	(D)	-	-
500 to 999 acres	farms	2	3	5	1	4	-	-
	acres irrigated	(D)	250	1 118	(D)	482	-	-
1,000 to 1,999 acres	farms	-	1	-	1	-	-	-
	acres irrigated	-	(D)	-	(D)	-	-	-
2,000 acres or more	farms	1	-	-	-	1	-	-
	acres irrigated	(D)	-	-	-	(D)	-	-

Table 7. **Irrigation: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with irrigation	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
Farms .... number, 1987	88	29	37	11	25	26	47	4
1982	80	31	37	14	17	37	32	8
Land in irrigated farms .... acres, 1987	13 123	14 208	28 397	1 264	8 544	9 427	17 416	424
1982	14 311	12 990	24 955	1 664	5 221	20 669	12 735	599
Harvested cropland .... farms, 1987	88	29	37	11	25	26	47	4
1982	80	31	37	14	17	37	32	8
acres, 1987	6 768	10 279	17 896	136	6 318	5 116	10 923	149
1982	7 142	10 905	16 744	233	4 309	15 250	9 286	332
Other cropland, excluding cropland pastured .... farms, 1987	52	21	32	8	17	18	30	2
1982	35	13	17	13	5	18	19	3
acres, 1987	1 455	1 779	5 504	217	1 077	1 976	2 120	(D)
1982	1 184	365	607	414	87	1 831	637	31
Pastureland, excluding woodland pastured .... farms, 1987	13	7	13	1	7	6	12	-
1982	11	2	10	4	4	6	8	2
acres, 1987	350	106	797	(D)	172	738	1 883	-
1982	1 333	(D)	4 677	135	22	920	708	(D)
Irrigated land .... acres, 1987	2 534	1 648	4 316	37	1 585	1 844	3 792	(D)
1982	2 591	2 847	3 916	44	1 157	2 174	2 501	103
Harvested cropland .... farms, 1987	88	29	37	11	25	26	45	4
1982	80	31	37	14	17	37	31	8
acres, 1987	(D)	1 648	(D)	37	(D)	1 844	3 702	(D)
1982	2 534	2 847	(D)	44	(D)	(D)	(D)	103
Pastureland and other land .... farms, 1987	1	-	1	-	2	-	3	-
1982	4	-	1	-	1	1	1	-
acres, 1987	(D)	-	(D)	-	(D)	-	90	-
1982	57	-	(D)	-	(D)	(D)	(D)	-
1987 irrigated acres by size of farm:								
1 to 9 acres .... farms	9	2	1	-	1	4	4	-
acres irrigated	39	(D)	(D)	-	(D)	5	5	-
10 to 49 acres .... farms	21	2	4	6	5	7	3	1
acres irrigated	163	(D)	26	(D)	124	28	4	(D)
50 to 69 acres .... farms	2	2	1	1	2	2	3	-
acres irrigated	(D)	(D)	(D)	(D)	(D)	(D)	17	-
70 to 99 acres .... farms	18	3	1	-	2	-	1	1
acres irrigated	352	7	(D)	-	(D)	-	(D)	(D)
100 to 139 acres .... farms	17	2	1	-	1	2	5	1
acres irrigated	280	(D)	(D)	-	(D)	(D)	167	(D)
140 to 179 acres .... farms	6	-	-	3	1	1	3	-
acres irrigated	243	-	-	6	(D)	(D)	226	-
180 to 219 acres .... farms	3	-	1	-	3	-	2	1
acres irrigated	248	-	(D)	-	82	-	(D)	(D)
220 to 259 acres .... farms	2	2	1	-	-	2	4	-
acres irrigated	(D)	(D)	(D)	-	-	(D)	281	-
260 to 499 acres .... farms	3	6	4	-	4	1	11	-
acres irrigated	305	447	91	-	439	(D)	952	-
500 to 999 acres .... farms	6	5	10	1	4	4	8	-
acres irrigated	684	295	1 329	(D)	477	486	868	-
1,000 to 1,999 acres .... farms	1	4	10	-	2	2	2	-
acres irrigated	(D)	424	2 332	-	(D)	(D)	(D)	-
2,000 acres or more .... farms	-	1	3	-	-	1	1	-
acres irrigated	-	(D)	265	-	-	(D)	(D)	-
1982 irrigated acres by size of farm:								
1 to 9 acres .... farms	2	2	1	-	1	9	2	-
acres irrigated	(D)	(D)	(D)	-	(D)	24	(D)	-
10 to 49 acres .... farms	18	6	7	5	4	9	2	4
acres irrigated	(D)	31	75	23	16	56	(D)	38
50 to 69 acres .... farms	8	1	-	1	-	2	-	-
acres irrigated	211	(D)	-	(D)	-	(D)	-	-
70 to 99 acres .... farms	11	2	-	2	-	1	2	2
acres irrigated	202	(D)	-	(D)	-	(D)	(D)	(D)
100 to 139 acres .... farms	10	3	-	1	2	-	2	1
acres irrigated	243	40	-	(D)	(D)	-	(D)	(D)
140 to 179 acres .... farms	12	-	1	3	1	1	2	1
acres irrigated	363	-	(D)	8	(D)	(D)	(D)	(D)
180 to 219 acres .... farms	8	-	2	-	-	1	3	-
acres irrigated	401	-	(D)	-	-	(D)	80	-
220 to 259 acres .... farms	-	4	5	1	2	1	3	-
acres irrigated	-	589	197	(D)	(D)	(D)	90	-
260 to 499 acres .... farms	5	4	3	1	3	3	9	-
acres irrigated	279	333	272	(D)	327	323	464	-
500 to 999 acres .... farms	3	3	11	-	4	5	4	-
acres irrigated	380	540	2 053	-	501	1 135	890	-
1,000 to 1,999 acres .... farms	3	6	6	-	-	1	3	-
acres irrigated	343	1 306	1 030	-	-	(D)	789	-
2,000 acres or more .... farms	-	-	1	-	-	4	-	-
acres irrigated	-	-	(D)	-	-	565	-	-

Table 7. **Irrigation: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with irrigation		Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
Farms	number, 1987	4	24	50	146	10	144	-	-
	1982	5	12	34	122	12	130	-	2
Land in irrigated farms	acres, 1987	3 807	7 642	28 062	49 669	3 315	23 631	-	-
	1982	4 516	3 557	25 637	38 648	4 561	21 001	-	(D)
Harvested cropland	farms, 1987	4	23	50	146	10	140	-	-
	1982	5	12	34	122	12	130	-	1
	acres, 1987	589	4 120	15 312	31 296	1 280	15 839	-	-
	1982	931	2 925	18 573	31 257	2 531	15 481	-	(D)
Other cropland, excluding cropland pastured	farms, 1987	4	18	33	77	7	73	-	-
	1982	5	8	14	35	8	52	-	2
	acres, 1987	604	1 590	5 339	9 229	1 385	4 025	-	-
	1982	571	100	923	2 037	311	1 258	-	(D)
Pastureland, excluding woodland pastured	farms, 1987	-	9	14	26	2	25	-	-
	1982	-	2	10	20	6	27	-	1
	acres, 1987	-	316	2 113	1 688	(D)	361	-	-
	1982	-	(D)	3 013	1 133	213	580	-	(D)
Irrigated land	acres, 1987	340	1 443	4 720	15 162	1 149	7 445	-	-
	1982	541	1 228	5 698	13 196	2 231	4 785	-	(D)
Harvested cropland	farms, 1987	4	22	50	146	10	140	-	-
	1982	5	11	34	122	12	128	-	1
	acres, 1987	340	(D)	(D)	(D)	(D)	(D)	-	-
	1982	541	(D)	5 600	13 196	2 231	4 705	-	(D)
Pastureland and other land	farms, 1987	-	3	1	2	2	5	-	-
	1982	-	1	5	-	-	3	-	1
	acres, 1987	-	(D)	(D)	(D)	(D)	(D)	-	-
	1982	-	(D)	98	-	-	80	-	(D)
1987 irrigated acres by size of farm:									
1 to 9 acres	farms	-	2	5	42	1	31	-	-
	acres irrigated	-	(D)	7	97	(D)	67	-	-
10 to 49 acres	farms	1	1	5	31	1	44	-	-
	acres irrigated	(D)	(D)	20	216	(D)	283	-	-
50 to 69 acres	farms	-	2	4	4	1	14	-	-
	acres irrigated	-	(D)	16	8	(D)	292	-	-
70 to 99 acres	farms	-	2	3	3	2	8	-	-
	acres irrigated	-	(D)	132	7	(D)	197	-	-
100 to 139 acres	farms	-	1	4	5	-	5	-	-
	acres irrigated	-	(D)	73	12	-	220	-	-
140 to 179 acres	farms	-	6	2	6	1	10	-	-
	acres irrigated	-	106	(D)	(D)	(D)	(D)	-	-
180 to 219 acres	farms	-	1	1	2	-	1	-	-
	acres irrigated	-	(D)	(D)	(D)	-	(D)	-	-
220 to 259 acres	farms	-	-	2	3	-	4	-	-
	acres irrigated	-	-	(D)	281	-	215	-	-
260 to 499 acres	farms	-	3	7	17	1	12	-	-
	acres irrigated	-	291	581	2 448	(D)	955	-	-
500 to 999 acres	farms	1	4	12	16	2	10	-	-
	acres irrigated	(D)	280	1 400	3 922	(D)	2 151	-	-
1,000 to 1,999 acres	farms	2	2	1	13	1	5	-	-
	acres irrigated	(D)	(D)	(D)	3 857	(D)	2 762	-	-
2,000 acres or more	farms	-	-	4	4	-	-	-	-
	acres irrigated	-	-	2 113	3 425	-	-	-	-
1982 irrigated acres by size of farm:									
1 to 9 acres	farms	-	2	6	37	2	18	-	1
	acres irrigated	-	(D)	16	69	(D)	49	-	(D)
10 to 49 acres	farms	-	2	5	29	-	47	-	-
	acres irrigated	-	(D)	60	119	-	290	-	-
50 to 69 acres	farms	-	1	-	2	-	16	-	-
	acres irrigated	-	(D)	-	(D)	-	308	-	-
70 to 99 acres	farms	-	-	3	2	-	3	-	-
	acres irrigated	-	-	92	(D)	-	123	-	-
100 to 139 acres	farms	-	1	4	5	-	11	-	1
	acres irrigated	-	(D)	140	95	-	381	-	(D)
140 to 179 acres	farms	-	1	1	2	2	5	-	-
	acres irrigated	-	(D)	(D)	(D)	(D)	105	-	-
180 to 219 acres	farms	-	-	4	7	-	3	-	-
	acres irrigated	-	-	169	763	-	157	-	-
220 to 259 acres	farms	-	-	-	1	1	5	-	-
	acres irrigated	-	-	-	(D)	(D)	270	-	-
260 to 499 acres	farms	1	3	1	9	3	8	-	-
	acres irrigated	(D)	174	(D)	880	246	590	-	-
500 to 999 acres	farms	3	-	4	17	4	11	-	-
	acres irrigated	(D)	-	735	3 974	1 691	1 702	-	-
1,000 to 1,999 acres	farms	1	2	1	7	-	2	-	-
	acres irrigated	(D)	(D)	(D)	2 485	-	(D)	-	-
2,000 acres or more	farms	-	-	5	4	-	1	-	-
	acres irrigated	-	-	3 927	4 431	-	(D)	-	-

Table 7. **Irrigation: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with irrigation		Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
Farms	number, 1987	64	68	44	51	1	2	91	51
	1982	43	93	31	37	2	1	79	57
Land in irrigated farms	acres, 1987	11 686	14 826	17 218	6 355	(D)	(D)	9 878	13 960
	1982	8 063	21 051	20 961	5 209	(D)	(D)	6 962	17 511
Harvested cropland	farms, 1987	62	68	44	49	1	2	91	51
	1982	43	93	31	37	2	1	79	57
	acres, 1987	7 737	6 546	13 084	3 440	(D)	(D)	6 948	7 001
	1982	4 926	9 374	16 935	2 866	(D)	(D)	4 897	8 650
Other cropland, excluding cropland pastured	farms, 1987	33	49	24	26	1	-	39	39
	1982	19	61	9	12	2	1	34	36
	acres, 1987	1 539	1 979	2 012	1 092	(D)	-	1 757	2 922
	1982	1 298	1 560	141	746	(D)	(D)	925	2 310
Pastureland, excluding woodland pastured	farms, 1987	14	12	3	14	1	-	6	11
	1982	7	17	4	10	1	-	8	12
	acres, 1987	326	529	861	413	(D)	-	361	383
	1982	126	991	852	543	(D)	-	135	500
Irrigated land	acres, 1987	3 869	2 292	3 131	1 768	(D)	(D)	2 054	3 676
	1982	2 140	3 141	2 400	1 650	(D)	(D)	1 846	4 486
Harvested cropland	farms, 1987	61	66	43	49	1	2	91	51
	1982	43	91	31	37	2	1	77	57
	acres, 1987	3 727	2 247	(D)	1 584	(D)	(D)	(D)	(D)
	1982	(D)	3 132	2 400	(D)	(D)	(D)	(D)	(D)
Pastureland and other land	farms, 1987	5	3	1	5	-	-	1	2
	1982	1	3	-	1	-	-	2	1
	acres, 1987	142	45	(D)	184	-	-	(D)	(D)
	1982	(D)	9	-	(D)	-	-	(D)	(D)
1987 irrigated acres by size of farm:									
1 to 9 acres	farms	12	2	5	9	-	1	21	3
	acres irrigated	24	(D)	14	18	-	(D)	27	4
10 to 49 acres	farms	18	10	10	22	-	-	33	6
	acres irrigated	84	31	52	109	-	-	241	90
50 to 69 acres	farms	2	8	3	4	-	-	6	-
	acres irrigated	(D)	81	41	29	-	-	87	-
70 to 99 acres	farms	4	5	3	4	-	1	11	9
	acres irrigated	57	156	94	25	-	(D)	228	181
100 to 139 acres	farms	5	11	2	3	1	-	3	6
	acres irrigated	67	258	(D)	71	(D)	-	101	94
140 to 179 acres	farms	3	6	3	2	-	-	2	6
	acres irrigated	88	111	97	(D)	-	-	(D)	125
180 to 219 acres	farms	3	3	-	-	-	-	1	3
	acres irrigated	125	168	-	-	-	-	(D)	(D)
220 to 259 acres	farms	5	3	-	1	-	-	2	1
	acres irrigated	662	121	-	(D)	-	-	(D)	(D)
260 to 499 acres	farms	4	14	3	2	-	-	8	9
	acres irrigated	661	838	39	(D)	-	-	423	661
500 to 999 acres	farms	7	5	12	2	-	-	3	5
	acres irrigated	2 068	375	2 171	(D)	-	-	480	1 300
1,000 to 1,999 acres	farms	1	1	2	2	-	-	1	3
	acres irrigated	(D)	(D)	(D)	(D)	-	-	(D)	1 023
2,000 acres or more	farms	-	-	1	-	-	-	-	-
	acres irrigated	-	-	(D)	-	-	-	-	-
1982 irrigated acres by size of farm:									
1 to 9 acres	farms	7	2	2	7	-	-	10	1
	acres irrigated	16	(D)	(D)	28	-	-	18	(D)
10 to 49 acres	farms	11	13	8	12	-	-	34	6
	acres irrigated	34	68	51	49	-	-	313	25
50 to 69 acres	farms	2	6	1	4	-	-	7	2
	acres irrigated	(D)	74	(D)	29	-	-	112	(D)
70 to 99 acres	farms	1	15	1	3	-	1	9	7
	acres irrigated	(D)	195	(D)	22	-	(D)	161	157
100 to 139 acres	farms	5	11	2	-	1	-	5	4
	acres irrigated	134	173	(D)	-	(D)	-	255	136
140 to 179 acres	farms	5	9	1	2	-	-	1	8
	acres irrigated	233	345	(D)	(D)	-	-	(D)	245
180 to 219 acres	farms	1	8	1	1	1	-	5	5
	acres irrigated	(D)	229	(D)	(D)	(D)	-	316	166
220 to 259 acres	farms	2	4	1	2	-	-	1	1
	acres irrigated	(D)	235	(D)	(D)	-	-	(D)	(D)
260 to 499 acres	farms	5	16	3	2	-	-	5	15
	acres irrigated	704	874	126	(D)	-	-	407	1 036
500 to 999 acres	farms	3	7	3	3	-	-	2	4
	acres irrigated	799	696	200	229	-	-	(D)	1 421
1,000 to 1,999 acres	farms	1	1	4	1	-	-	-	4
	acres irrigated	(D)	(D)	559	(D)	-	-	-	1 258
2,000 acres or more	farms	-	1	4	-	-	-	-	-
	acres irrigated	-	(D)	1 409	-	-	-	-	-

Table 7. **Irrigation: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with irrigation	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
Farms, number, 1987	3	48	23	2	10	23	55	142
1982	3	46	15	8	12	20	48	109
Land in irrigated farms, acres, 1987	100	14 010	14 393	(D)	3 692	12 236	15 414	87 173
1982	2 175	14 488	10 366	1 014	6 855	8 039	13 141	64 613
Harvested cropland, farms, 1987	3	48	23	2	10	23	54	142
1982	3	46	15	8	11	20	48	109
acres, 1987	5	7 599	8 768	(D)	2 246	7 596	12 505	54 889
1982	227	9 481	8 144	493	5 651	5 235	11 199	51 511
Other cropland, excluding cropland pastured, farms, 1987	1	31	17	-	8	12	31	117
1982	1	21	9	4	4	5	19	56
acres, 1987	(D)	2 193	2 571	-	617	892	2 083	16 807
1982	(D)	1 301	615	149	112	318	1 158	2 418
Pastureland, excluding woodland pastured, farms, 1987	-	7	10	1	2	12	4	37
1982	2	17	8	3	5	11	2	20
acres, 1987	-	117	458	(D)	(D)	728	82	1 879
1982	(D)	420	523	98	239	602	(D)	589
Irrigated land, acres, 1987	5	2 266	4 046	(D)	603	2 018	2 181	28 987
1982	(D)	2 495	3 907	73	804	1 206	1 952	25 558
Harvested cropland, farms, 1987	3	48	23	2	10	23	54	142
1982	3	46	15	8	11	20	48	108
acres, 1987	5	(D)	4 046	(D)	(D)	(D)	(D)	(D)
1982	(D)	2 495	3 907	(D)	(D)	1 206	(D)	(D)
Pastureland and other land, farms, 1987	-	1	-	-	1	1	2	1
1982	-	-	-	1	1	-	1	1
acres, 1987	-	(D)	-	-	(D)	(D)	(D)	(D)
1982	-	-	-	(D)	(D)	-	(D)	(D)
1987 irrigated acres by size of farm:								
1 to 9 acres, farms	1	1	1	-	-	-	7	2
acres irrigated	(D)	(D)	(D)	-	-	-	10	(D)
10 to 49 acres, farms	1	8	1	1	5	1	13	13
acres irrigated	(D)	21	(D)	(D)	52	(D)	74	161
50 to 69 acres, farms	1	4	-	-	-	1	7	4
acres irrigated	(D)	32	-	-	-	(D)	102	7
70 to 99 acres, farms	-	4	1	-	1	3	4	10
acres irrigated	-	20	(D)	-	(D)	77	28	90
100 to 139 acres, farms	-	9	1	-	-	-	5	2
acres irrigated	-	130	(D)	-	-	-	(D)	(D)
140 to 179 acres, farms	-	2	-	-	-	1	1	4
acres irrigated	-	(D)	-	-	-	(D)	(D)	145
180 to 219 acres, farms	-	2	1	-	-	1	-	6
acres irrigated	-	(D)	(D)	-	-	(D)	-	382
220 to 259 acres, farms	-	3	-	-	-	-	3	3
acres irrigated	-	180	-	-	-	-	64	107
260 to 499 acres, farms	-	2	4	1	1	6	7	29
acres irrigated	-	(D)	124	(D)	(D)	373	196	2 479
500 to 999 acres, farms	-	11	10	-	1	7	4	39
acres irrigated	-	870	2 227	-	(D)	1 088	507	10 300
1,000 to 1,999 acres, farms	-	2	4	-	2	2	3	28
acres irrigated	-	(D)	1 598	-	(D)	(D)	246	13 922
2,000 acres or more, farms	-	-	-	-	-	1	1	2
acres irrigated	-	-	-	-	-	(D)	(D)	(D)
1982 irrigated acres by size of farm:								
1 to 9 acres, farms	-	2	-	-	1	-	8	1
acres irrigated	-	(D)	-	-	(D)	-	21	(D)
10 to 49 acres, farms	-	5	2	4	4	2	13	11
acres irrigated	-	22	(D)	20	33	(D)	90	101
50 to 69 acres, farms	1	4	-	-	-	1	1	3
acres irrigated	(D)	18	-	-	-	(D)	(D)	7
70 to 99 acres, farms	-	2	-	-	-	3	5	2
acres irrigated	-	(D)	-	-	-	4	109	(D)
100 to 139 acres, farms	-	9	1	-	-	1	4	4
acres irrigated	-	130	(D)	-	-	(D)	128	130
140 to 179 acres, farms	-	3	-	1	-	-	-	5
acres irrigated	-	24	-	(D)	-	-	-	225
180 to 219 acres, farms	1	5	-	2	3	1	7	4
acres irrigated	(D)	307	-	(D)	172	(D)	217	280
220 to 259 acres, farms	-	2	-	-	-	1	1	5
acres irrigated	-	(D)	-	-	-	(D)	(D)	520
260 to 499 acres, farms	-	3	4	1	-	4	1	18
acres irrigated	-	240	273	(D)	-	181	(D)	2 641
500 to 999 acres, farms	-	7	5	-	1	6	5	37
acres irrigated	-	1 100	1 268	-	(D)	771	517	9 748
1,000 to 1,999 acres, farms	1	4	2	-	2	1	2	17
acres irrigated	(D)	555	(D)	-	(D)	(D)	(D)	8 784
2,000 acres or more, farms	-	-	1	-	1	-	1	2
acres irrigated	-	-	(D)	-	(D)	-	(D)	(D)

Table 7. Irrigation: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with irrigation		Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
Farms	number, 1987	3	57	57	69	69	8	2	9
	1982	2	40	45	66	66	5	2	10
Land in irrigated farms	acres, 1987	1 022	21 119	14 978	4 604	26 056	449	(D)	3 432
	1982	(D)	21 560	17 355	4 007	26 644	789	(D)	4 664
Harvested cropland	farms, 1987	3	55	56	66	69	7	2	8
	1982	2	40	45	65	66	5	2	10
	acres, 1987	660	9 726	8 956	2 398	15 163	173	(D)	2 627
	1982	(D)	11 543	9 364	2 137	15 935	495	(D)	3 593
Other cropland, excluding cropland pastured	farms, 1987	2	33	32	25	50	3	2	2
	1982	1	19	23	32	50	2	2	6
	acres, 1987	(D)	3 253	1 854	698	3 488	44	(D)	(D)
	1982	(D)	1 420	1 442	980	2 852	(D)	(D)	102
Pastureland, excluding woodland pastured	farms, 1987	-	5	17	24	22	5	-	5
	1982	-	9	12	14	15	1	-	4
	acres, 1987	-	3 711	431	558	1 012	103	-	239
	1982	-	182	400	223	2 193	(D)	-	302
Irrigated land	acres, 1987	(D)	6 094	4 767	1 002	3 927	44	(D)	739
	1982	(D)	6 457	5 041	974	2 900	22	(D)	687
Harvested cropland	farms, 1987	3	55	56	62	68	5	2	7
	1982	2	40	45	65	64	5	1	9
	acres, 1987	(D)	6 084	4 589	909	3 718	15	(D)	(D)
	1982	(D)	(D)	4 850	(D)	2 813	22	(D)	(D)
Pastureland and other land	farms, 1987	-	3	4	11	5	3	-	2
	1982	-	1	4	4	5	-	1	1
	acres, 1987	-	10	178	93	209	29	-	(D)
	1982	-	(D)	191	(D)	87	-	(D)	(D)
1987 irrigated acres by size of farm:									
1 to 9 acres	farms	-	5	1	19	1	-	-	-
	acres irrigated	-	5	(D)	43	(D)	-	-	-
10 to 49 acres	farms	-	27	8	31	8	5	-	2
	acres irrigated	-	125	45	157	106	26	-	(D)
50 to 69 acres	farms	-	2	4	4	5	-	1	-
	acres irrigated	-	(D)	115	99	90	-	(D)	-
70 to 99 acres	farms	1	2	11	3	6	1	-	1
	acres irrigated	(D)	(D)	240	78	80	(D)	-	(D)
100 to 139 acres	farms	-	7	3	1	1	2	-	1
	acres irrigated	-	506	137	(D)	(D)	(D)	-	(D)
140 to 179 acres	farms	-	-	2	3	8	-	1	-
	acres irrigated	-	-	(D)	85	296	-	(D)	-
180 to 219 acres	farms	-	2	7	2	1	-	-	-
	acres irrigated	-	(D)	164	(D)	(D)	-	-	-
220 to 259 acres	farms	-	-	2	3	3	-	-	-
	acres irrigated	-	-	(D)	260	63	-	-	-
260 to 499 acres	farms	1	5	9	2	15	-	-	1
	acres irrigated	(D)	334	1 324	(D)	703	-	-	(D)
500 to 999 acres	farms	1	5	8	1	19	-	-	4
	acres irrigated	(D)	701	1 368	(D)	1 948	-	-	696
1,000 to 1,999 acres	farms	-	-	2	-	1	-	-	-
	acres irrigated	-	-	(D)	-	(D)	-	-	-
2,000 acres or more	farms	-	2	-	-	1	-	-	-
	acres irrigated	-	(D)	-	-	(D)	-	-	-
1982 irrigated acres by size of farm:									
1 to 9 acres	farms	-	5	1	17	-	-	-	1
	acres irrigated	-	8	(D)	34	-	-	-	(D)
10 to 49 acres	farms	-	12	8	33	6	4	-	-
	acres irrigated	-	80	35	199	78	(D)	-	-
50 to 69 acres	farms	-	1	-	3	2	-	-	-
	acres irrigated	-	(D)	-	21	(D)	-	-	-
70 to 99 acres	farms	-	3	9	3	6	-	-	1
	acres irrigated	-	119	270	15	66	-	-	(D)
100 to 139 acres	farms	-	4	-	2	7	-	1	-
	acres irrigated	-	235	-	(D)	86	-	(D)	-
140 to 179 acres	farms	-	-	2	2	4	-	1	1
	acres irrigated	-	-	(D)	(D)	139	-	(D)	(D)
180 to 219 acres	farms	-	1	2	3	2	-	-	1
	acres irrigated	-	(D)	(D)	191	(D)	-	-	(D)
220 to 259 acres	farms	-	-	3	1	4	-	-	1
	acres irrigated	-	-	242	(D)	100	-	-	(D)
260 to 499 acres	farms	1	5	8	1	17	-	-	-
	acres irrigated	(D)	276	563	(D)	628	-	-	-
500 to 999 acres	farms	1	6	8	-	13	1	-	4
	acres irrigated	(D)	354	1 472	-	953	(D)	-	554
1,000 to 1,999 acres	farms	-	-	3	1	3	-	-	1
	acres irrigated	-	-	1 282	(D)	227	-	-	(D)
2,000 acres or more	farms	-	2	1	-	2	-	-	-
	acres irrigated	-	(D)	(D)	-	(D)	-	-	-

Table 7. **Irrigation: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with irrigation	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
Farms .... number, 1987..	1	7	296	15	1	43	31	229
1982..	1	5	229	16	3	47	21	206
Land in irrigated farms .... acres, 1987..	(D)	2 231	44 057	9 544	(D)	14 486	2 839	119 734
1982..	(D)	1 477	36 305	10 175	181	8 380	2 300	101 167
Harvested cropland .... farms, 1987..	1	7	294	18	1	42	31	228
1982..	1	5	228	16	3	47	21	206
acres, 1987..	(D)	1 086	27 053	5 752	(D)	12 069	1 844	85 600
1982..	(D)	753	21 960	5 615	(D)	6 611	979	84 276
Other cropland, excluding cropland pastured .... farms, 1987..	-	6	140	11	1	17	15	199
1982..	-	4	90	6	1	17	13	99
acres, 1987..	-	116	6 159	593	(D)	1 645	393	21 334
1982..	-	99	3 316	578	(D)	400	850	5 658
Pastureland, excluding woodland pastured .... farms, 1987..	1	3	52	11	-	1	4	67
1982..	1	1	35	7	-	9	7	53
acres, 1987..	(D)	139	2 442	533	-	(D)	88	1 855
1982..	(D)	(D)	1 405	405	-	224	92	2 228
Irrigated land .... acres, 1987..	(D)	580	10 537	1 112	(D)	2 042	343	58 989
1982..	(D)	194	8 796	1 155	(D)	1 185	392	56 881
Harvested cropland .... farms, 1987..	1	7	292	18	1	41	30	228
1982..	1	5	228	16	3	47	21	206
acres, 1987..	(D)	580	10 438	(D)	(D)	2 011	(D)	58 685
1982..	(D)	194	8 780	1 155	(D)	1 160	(D)	56 816
Pastureland and other land .... farms, 1987..	-	-	9	3	-	3	1	10
1982..	-	-	4	-	-	4	1	3
acres, 1987..	-	-	99	(D)	-	31	(D)	304
1982..	-	-	16	-	-	25	(D)	65
1987 irrigated acres by size of farm:								
1 to 9 acres .... farms..	-	-	42	1	-	5	4	3
acres irrigated..	-	-	77	(D)	-	7	6	11
10 to 49 acres .... farms..	-	-	104	2	-	18	14	11
acres irrigated..	-	-	878	(D)	-	124	41	140
50 to 69 acres .... farms..	-	2	29	-	1	4	1	3
acres irrigated..	-	(D)	488	-	(D)	72	(D)	86
70 to 99 acres .... farms..	1	-	26	1	-	2	2	9
acres irrigated..	(D)	-	791	(D)	-	(D)	(D)	467
100 to 139 acres .... farms..	-	-	25	2	-	3	2	16
acres irrigated..	-	-	1 195	(D)	-	107	(D)	1 287
140 to 179 acres .... farms..	-	2	16	-	-	-	4	16
acres irrigated..	-	(D)	684	-	-	-	117	1 475
180 to 219 acres .... farms..	-	-	14	-	-	-	-	6
acres irrigated..	-	-	750	-	-	-	-	374
220 to 259 acres .... farms..	-	-	3	-	-	1	1	18
acres irrigated..	-	-	201	-	-	(D)	(D)	1 775
260 to 499 acres .... farms..	-	-	18	3	-	2	2	53
acres irrigated..	-	-	1 272	110	-	(D)	(D)	9 014
500 to 999 acres .... farms..	-	3	10	7	-	3	1	71
acres irrigated..	-	492	1 394	672	-	205	(D)	25 266
1,000 to 1,999 acres .... farms..	-	-	6	2	-	2	-	18
acres irrigated..	-	-	871	(D)	-	(D)	-	9 088
2,000 acres or more .... farms..	-	-	3	-	-	3	-	5
acres irrigated..	-	-	1 936	-	-	572	-	10 006
1982 irrigated acres by size of farm:								
1 to 9 acres .... farms..	-	-	32	-	1	10	2	2
acres irrigated..	-	-	59	-	(D)	17	(D)	(D)
10 to 49 acres .... farms..	-	1	82	-	1	19	9	6
acres irrigated..	-	(D)	818	-	(D)	153	92	(D)
50 to 69 acres .... farms..	-	-	20	-	-	2	1	4
acres irrigated..	-	-	420	-	-	(D)	(D)	151
70 to 99 acres .... farms..	1	1	27	-	-	5	-	12
acres irrigated..	(D)	(D)	1 134	-	-	111	-	733
100 to 139 acres .... farms..	-	-	15	1	1	-	2	5
acres irrigated..	-	-	462	(D)	(D)	-	(D)	380
140 to 179 acres .... farms..	-	-	11	1	-	1	5	22
acres irrigated..	-	-	314	(D)	-	(D)	199	2 220
180 to 219 acres .... farms..	-	1	8	-	-	1	-	15
acres irrigated..	-	(D)	545	-	-	(D)	-	1 925
220 to 259 acres .... farms..	-	-	8	1	-	1	-	10
acres irrigated..	-	-	781	(D)	-	(D)	-	1 217
260 to 499 acres .... farms..	-	-	9	5	-	2	1	50
acres irrigated..	-	-	653	374	-	(D)	(D)	9 465
500 to 999 acres .... farms..	-	2	9	7	-	4	1	60
acres irrigated..	-	(D)	1 339	677	-	387	(D)	19 014
1,000 to 1,999 acres .... farms..	-	-	5	-	-	2	-	16
acres irrigated..	-	-	510	-	-	(D)	-	13 660
2,000 acres or more .... farms..	-	-	3	1	-	-	-	4
acres irrigated..	-	-	1 761	(D)	-	-	-	8 033

Table 7. **Irrigation: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Farms with irrigation	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
Farms number, 1987	39	2	25	37	174	76	76	8
1982	31	1	22	27	127	62	64	7
Land in irrigated farms acres, 1987	14 738	(D)	8 630	22 236	61 384	20 533	6 766	1 288
1982	7 613	(D)	5 530	10 998	51 159	17 412	4 182	726
Harvested cropland farms, 1987	39	2	25	37	174	74	72	8
1982	31	1	22	27	126	61	64	7
acres, 1987	9 150	(D)	5 748	17 458	42 977	13 805	4 329	448
1982	4 337	(D)	4 025	9 455	36 852	14 319	3 036	285
Other cropland, excluding cropland pastured farms, 1987	25	1	17	26	118	46	28	5
1982	17	-	12	10	72	23	20	4
acres, 1987	4 411	(D)	1 189	3 253	8 730	3 754	1 549	375
1982	1 997	-	316	754	4 671	563	636	174
Pastureland, excluding woodland pastured farms, 1987	8	1	7	6	33	16	9	3
1982	6	-	6	3	31	22	2	2
acres, 1987	218	(D)	437	405	802	832	83	107
1982	52	-	95	229	1 350	477	(D)	(D)
Irrigated land acres, 1987	1 997	(D)	1 241	2 781	23 763	4 181	734	106
1982	1 466	(D)	517	2 251	17 700	4 436	486	(D)
Harvested cropland farms, 1987	39	2	25	36	167	72	72	8
1982	31	1	21	27	126	61	63	7
acres, 1987	(D)	(D)	1 241	(D)	23 553	4 062	(D)	106
1982	(D)	(D)	(D)	2 251	17 667	(D)	(D)	(D)
Pastureland and other land farms, 1987	2	-	-	1	14	6	4	-
1982	3	-	1	-	4	1	2	1
acres, 1987	(D)	-	-	(D)	210	119	(D)	-
1982	(D)	-	(D)	-	33	(D)	(D)	(D)
1987 irrigated acres by size of farm:								
1 to 9 acres farms	2	-	-	1	8	8	27	-
acres irrigated	(D)	-	-	(D)	13	20	46	-
10 to 49 acres farms	12	-	7	5	31	25	30	4
acres irrigated	117	-	57	30	220	122	134	12
50 to 69 acres farms	1	1	1	1	7	4	4	1
acres irrigated	(D)	(D)	(D)	(D)	117	77	31	(D)
70 to 99 acres farms	1	-	3	4	24	6	1	-
acres irrigated	(D)	-	18	82	508	177	(D)	-
100 to 139 acres farms	5	1	1	4	22	4	5	1
acres irrigated	259	(D)	(D)	100	869	122	23	(D)
140 to 179 acres farms	4	-	-	2	11	5	1	-
acres irrigated	239	-	-	(D)	585	(D)	(D)	-
180 to 219 acres farms	1	-	2	1	17	1	-	-
acres irrigated	(D)	-	(D)	(D)	852	(D)	-	-
220 to 259 acres farms	1	-	1	-	6	-	-	1
acres irrigated	(D)	-	(D)	-	191	-	-	(D)
260 to 499 acres farms	6	-	1	6	21	6	4	-
acres irrigated	398	-	(D)	763	2 164	325	347	-
500 to 999 acres farms	2	-	6	4	18	12	3	1
acres irrigated	(D)	-	625	151	4 054	1 235	13	(D)
1,000 to 1,999 acres farms	1	-	3	8	7	5	1	-
acres irrigated	(D)	-	279	1 101	(D)	1 775	(D)	-
2,000 acres or more farms	3	-	-	1	2	-	-	-
acres irrigated	290	-	-	(D)	(D)	-	-	-
1982 irrigated acres by size of farm:								
1 to 9 acres farms	2	-	3	3	5	7	28	-
acres irrigated	(D)	-	3	11	7	17	46	-
10 to 49 acres farms	11	-	8	3	23	19	23	3
acres irrigated	61	-	58	9	224	104	96	6
50 to 69 acres farms	3	-	-	2	9	7	-	-
acres irrigated	85	-	-	(D)	135	128	-	-
70 to 99 acres farms	1	-	-	4	12	3	1	1
acres irrigated	(D)	-	-	111	262	106	(D)	(D)
100 to 139 acres farms	3	1	1	-	11	3	2	1
acres irrigated	44	(D)	(D)	-	335	162	(D)	(D)
140 to 179 acres farms	-	-	1	2	9	2	3	-
acres irrigated	-	-	(D)	(D)	527	(D)	24	-
180 to 219 acres farms	3	-	4	2	12	2	2	1
acres irrigated	43	-	6	(D)	779	(D)	(D)	(D)
220 to 259 acres farms	-	-	-	-	10	3	1	-
acres irrigated	-	-	-	-	709	74	(D)	-
260 to 499 acres farms	4	-	2	3	15	3	3	1
acres irrigated	455	-	(D)	532	1 331	215	37	(D)
500 to 999 acres farms	2	-	1	4	15	7	-	-
acres irrigated	(D)	-	(D)	670	2 895	902	-	-
1,000 to 1,999 acres farms	2	-	2	4	3	6	1	-
acres irrigated	(D)	-	(D)	570	802	2 606	(D)	-
2,000 acres or more farms	-	-	-	-	3	-	-	-
acres irrigated	-	-	-	-	9 694	-	-	-

Table 8. Machinery and Equipment on Place: 1987 and 1982

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

All Farms	Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
VALUE OF MACHINERY AND EQUIPMENT							
Estimated market value of all machinery and equipment farms, 1987	51 085	229	63	1 629	424	248	332
1982	58 549	295	76	1 831	442	279	377
$1,000, 1987	2 347 585	7 268	2 223	82 030	15 610	12 157	16 225
1982	2 676 343	7 906	1 988	80 460	13 251	11 477	21 820
Average per farm dollars, 1987	45 954	31 736	35 280	50 356	36 816	49 022	48 872
1982	45 711	26 802	26 153	43 943	29 979	41 136	57 877
Farms by value group:							
$1 to $9,999 1987	14 333	77	21	394	98	66	54
1982	16 884	126	36	536	141	62	106
$10,000 to $19,999 1987	9 792	57	16	297	90	24	48
1982	11 002	75	14	406	96	72	28
$20,000 to $29,999 1987	6 455	45	9	218	51	34	68
1982	6 858	22	8	193	64	37	72
$30,000 to $49,999 1987	6 328	24	6	294	93	22	66
1982	7 333	40	3	219	52	44	48
$50,000 to $69,999 1987	4 346	12	2	138	29	40	32
1982	4 688	-	9	124	45	19	23
$70,000 to $99,999 1987	3 007	-	2	90	8	37	30
1982	3 666	1	2	105	23	16	24
$100,000 to $199,999 1987	4 551	3	6	121	47	18	18
1982	5 655	29	4	180	14	20	54
$200,000 or more 1987	2 273	11	1	77	8	7	16
1982	2 463	2	-	68	7	9	22
$200,000 to $499,999 1987	2 063	11	-	67	8	6	15
$500,000 or more 1987	210	-	1	10	-	1	1
SELECTED MACHINERY AND EQUIPMENT							
Motortrucks, including pickups farms, 1987	43 238	197	52	1 408	315	194	302
1982	49 547	224	62	1 568	345	243	304
number, 1987	77 231	270	83	2 438	463	346	581
1982	80 352	264	89	2 678	433	379	566
Wheel tractors farms, 1987	47 507	200	59	1 413	378	235	305
1982	53 627	282	72	1 664	428	240	312
number, 1987	143 734	481	181	4 374	1 013	673	1 030
1982	146 655	600	175	4 581	937	640	942
Less than 40 horsepower (PTO) farms, 1987	29 681	152	47	838	249	134	210
number, 1987	51 330	265	87	1 563	360	231	361
40 horsepower (PTO) or more farms, 1987	36 848	126	34	1 212	326	174	268
number, 1987	92 404	216	94	2 811	653	442	669
Grain and bean combines[1] farms, 1987	20 160	50	17	467	123	56	204
1982	19 294	32	10	410	88	34	164
number, 1987	23 587	55	19	532	134	86	238
1982	21 060	32	1	433	89	36	192
Cottonpickers and strippers farms, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
number, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
Mower conditioners farms, 1987	19 528	111	41	629	234	82	151
1982	19 528	136	34	564	254	73	83
number, 1987	21 051	112	52	700	238	107	168
1982	21 055	136	37	597	267	75	87
Pickup balers farms, 1987	21 716	127	41	629	272	70	186
1982	23 282	188	49	677	310	98	132
number, 1987	24 924	142	52	719	331	87	218
1982	25 051	212	58	702	332	102	153
1987 INVENTORY							
Manufactured 1983 to 1987:							
Motortrucks, including pickups farms	15 777	38	16	538	90	92	81
number	18 320	40	17	614	96	121	85
Wheel tractors farms	7 283	20	7	263	74	58	37
number	10 777	22	10	379	102	92	44
Less than 40 horsepower (PTO) farms	2 423	10	4	71	18	11	6
number	2 854	10	5	75	18	18	6
40 horsepower (PTO) or more farms	5 568	10	3	209	68	48	31
number	7 923	12	5	304	84	74	38
Grain and bean combines farms	1 532	-	-	37	1	1	2
number	1 604	-	-	37	(D)	(D)	(D)
Cottonpickers and strippers farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Mower conditioners farms	2 994	23	8	164	30	12	4
number	3 052	23	8	165	30	12	4
Pickup balers farms	2 805	18	6	115	55	17	6
number	2 938	19	6	118	55	17	9
Manufactured prior to 1983:							
Motortrucks, including pickups farms	34 872	169	41	1 119	251	149	239
number	58 911	230	66	1 824	367	225	496
Wheel tractors farms	45 790	200	56	1 356	345	222	305
number	132 957	459	171	3 995	911	581	986
Less than 40 horsepower (PTO) farms	28 179	147	45	793	238	133	210
number	48 476	255	82	1 488	342	213	355
40 horsepower (PTO) or more farms	35 272	126	32	1 153	294	157	263
number	84 481	204	89	2 507	569	368	631
Grain and bean combines farms	18 906	50	17	432	122	55	203
number	21 983	55	19	495	(D)	(D)	(D)
Cottonpickers and strippers farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Mower conditioners farms	16 755	88	36	478	204	78	148
number	17 999	89	44	535	208	95	164
Pickup balers farms	19 771	115	35	555	244	60	183
number	21 986	123	46	601	276	70	209

See footnotes at end of table.

Table 8. Machinery and Equipment on Place: 1987 and 1982—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

All Farms	Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
VALUE OF MACHINERY AND EQUIPMENT							
Estimated market value of all machinery and equipment farms, 1987	57	901	922	149	1 479	1 035	1 166
1982	74	1 061	1 072	184	1 755	1 170	1 266
$1,000, 1987	1 602	32 234	54 405	3 798	57 607	45 186	44 221
1982	1 575	39 355	70 588	5 162	65 875	53 821	57 133
Average per farm dollars, 1987	28 096	35 776	59 008	25 487	38 950	43 658	37 926
1982	21 287	37 092	65 847	28 054	37 535	46 001	45 129
Farms by value group:							
$1 to $9,999 1987	20	318	192	57	421	366	354
1982	30	370	237	88	609	329	397
$10,000 to $19,999 1987	9	170	184	21	324	156	180
1982	19	160	154	39	306	196	213
$20,000 to $29,999 1987	8	92	119	29	238	151	226
1982	6	160	89	13	240	153	99
$30,000 to $49,999 1987	9	115	111	24	162	75	152
1982	8	153	126	11	205	186	217
$50,000 to $69,999 1987	6	82	81	8	132	77	74
1982	10	39	126	13	127	98	149
$70,000 to $99,999 1987	2	42	52	3	53	76	56
1982	-	67	119	6	102	41	51
$100,000 to $199,999 1987	2	56	109	4	98	94	92
1982	1	81	111	12	121	119	88
$200,000 or more 1987	1	26	74	3	51	40	32
1982	-	31	110	2	45	48	52
$200,000 to $499,999 1987	1	24	72	3	46	35	31
$500,000 or more 1987	-	2	2	-	5	5	1
SELECTED MACHINERY AND EQUIPMENT							
Motortrucks, including pickups farms, 1987	52	788	798	127	1 277	836	1 014
1982	66	864	849	144	1 530	951	1 120
number, 1987	89	1 209	1 786	206	2 457	1 332	1 724
1982	88	1 259	1 798	222	2 815	1 293	1 740
Wheel tractors farms, 1987	52	826	851	133	1 377	962	1 070
1982	71	967	988	167	1 599	1 011	1 178
number, 1987	127	2 282	2 716	335	4 457	2 797	3 133
1982	157	2 443	3 016	383	4 747	2 752	3 134
Less than 40 horsepower (PTO) farms, 1987	35	527	490	74	1 023	490	656
number, 1987	60	843	935	122	2 200	938	1 078
40 horsepower (PTO) or more farms, 1987	37	653	717	102	964	781	871
number, 1987	67	1 439	1 781	213	2 257	1 859	2 055
Grain and bean combines[1] farms, 1987	17	346	523	15	401	522	509
1982	13	230	612	5	356	488	510
number, 1987	17	378	653	15	461	578	571
1982	14	238	659	5	380	543	535
Cottonpickers and strippers farms, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
number, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
Mower conditioners farms, 1987	32	462	89	38	282	336	503
1982	41	451	97	39	280	296	418
number, 1987	34	491	92	40	308	345	542
1982	44	476	99	60	316	300	434
Pickup balers farms, 1987	42	509	110	34	248	474	546
1982	51	528	99	46	277	456	530
number, 1987	52	595	123	34	281	496	609
1982	56	586	99	47	305	466	557
1987 INVENTORY							
Manufactured 1983 to 1987:							
Motortrucks, including pickups farms	21	265	245	39	452	282	312
number	25	296	302	42	524	348	347
Wheel tractors farms	6	83	122	23	212	136	152
number	8	131	206	34	333	202	185
Less than 40 horsepower (PTO) farms	1	26	18	8	79	28	29
number	(D)	27	22	12	102	28	29
40 horsepower (PTO) or more farms	5	73	116	19	155	116	138
number	(D)	104	184	22	231	174	156
Grain and bean combines farms	-	12	51	2	35	38	53
number	-	12	60	(D)	37	40	54
Cottonpickers and strippers farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Mower conditioners farms	3	37	7	12	53	41	35
number	3	38	8	12	53	41	35
Pickup balers farms	4	58	7	6	22	52	34
number	4	62	9	6	23	52	35
Manufactured prior to 1983:							
Motortrucks, including pickups farms	38	643	712	105	1 080	660	864
number	64	913	1 484	164	1 933	984	1 377
Wheel tractors farms	51	816	818	119	1 325	945	1 030
number	119	2 151	2 510	301	4 124	2 595	2 948
Less than 40 horsepower (PTO) farms	35	509	484	66	984	475	651
number	(D)	816	913	110	2 098	910	1 049
40 horsepower (PTO) or more farms	35	643	684	89	918	743	826
number	(D)	1 335	1 597	191	2 026	1 685	1 899
Grain and bean combines farms	17	337	493	13	374	485	459
number	17	366	593	(D)	424	538	517
Cottonpickers and strippers farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Mower conditioners farms	30	425	82	26	232	297	471
number	31	453	84	28	255	304	507
Pickup balers farms	39	467	104	28	244	425	525
number	48	533	114	28	258	444	574

See footnotes at end of table.

Table 8. Machinery and Equipment on Place: 1987 and 1982—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

All Farms	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
VALUE OF MACHINERY AND EQUIPMENT							
Estimated market value of all machinery and equipment farms, 1987	839	232	172	338	290	1 325	20
1982	1 022	256	197	378	317	1 518	18
$1,000, 1987	41 354	6 353	6 929	10 813	7 585	60 277	(D)
1982	43 133	7 738	4 210	11 963	13 208	66 640	257
Average per farm dollars, 1987	49 289	27 382	40 288	31 990	26 088	45 492	(D)
1982	42 204	30 225	21 369	31 648	41 665	43 900	14 251
Farms by value group:							
$1 to $9,999 1987	207	85	50	156	161	307	9
1982	293	102	74	110	122	349	7
$10,000 to $19,999 1987	127	78	39	36	45	257	5
1982	244	40	68	60	54	345	7
$20,000 to $29,999 1987	131	26	27	42	23	162	2
1982	121	33	25	79	27	204	1
$30,000 to $49,999 1987	79	12	22	21	4	252	1
1982	92	23	11	52	30	146	3
$50,000 to $69,999 1987	111	7	2	47	33	89	2
1982	91	32	4	37	23	204	-
$70,000 to $99,999 1987	58	8	11	3	5	103	1
1982	26	7	3	13	16	84	-
$100,000 to $199,999 1987	90	12	12	29	17	101	-
1982	120	16	11	26	39	136	-
$200,000 or more 1987	36	4	9	4	2	54	-
1982	35	3	1	1	6	50	-
$200,000 to $499,999 1987	33	4	8	4	2	49	-
$500,000 or more 1987	3	-	1	-	-	5	-
SELECTED MACHINERY AND EQUIPMENT							
Motortrucks, including pickups farms, 1987	714	198	136	255	236	1 091	15
1982	860	201	167	296	291	1 301	16
number, 1987	1 221	297	231	352	327	1 634	24
1982	1 466	302	272	395	396	1 849	(D)
Wheel tractors farms, 1987	779	220	170	301	275	1 253	18
1982	905	226	187	348	304	1 392	17
number, 1987	2 192	550	438	753	667	3 828	36
1982	2 445	569	416	877	794	3 864	31
Less than 40 horsepower (PTO) farms, 1987	467	165	103	245	187	711	10
number, 1987	785	252	184	321	290	1 174	20
40 horsepower (PTO) or more farms, 1987	616	163	113	209	201	1 030	10
number, 1987	1 407	298	254	432	377	2 654	16
Grain and bean combines[1] farms, 1987	295	35	45	123	69	662	-
1982	256	21	47	143	99	623	2
number, 1987	341	49	55	135	69	796	-
1982	302	21	47	156	99	658	(D)
Cottonpickers and strippers farms, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
number, 1987	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-
Mower conditioners farms, 1987	274	101	88	149	177	532	5
1982	233	92	101	199	153	523	4
number, 1987	285	102	92	196	189	566	5
1982	248	92	101	244	161	533	(D)
Pickup balers farms, 1987	339	118	88	189	164	528	6
1982	383	151	113	278	196	559	7
number, 1987	380	150	104	290	169	586	(D)
1982	399	165	122	316	220	571	(D)
1987 INVENTORY							
Manufactured 1983 to 1987:							
Motortrucks, including pickups farms	295	48	42	93	75	341	8
number	327	55	45	102	76	375	10
Wheel tractors farms	177	42	35	78	23	169	1
number	246	60	52	109	28	219	(D)
Less than 40 horsepower (PTO) farms	53	13	16	35	8	46	-
number	71	13	22	53	8	52	-
40 horsepower (PTO) or more farms	134	36	20	49	16	138	1
number	175	47	30	56	20	167	(D)
Grain and bean combines farms	63	1	3	-	-	54	-
number	65	(D)	3	-	-	54	-
Cottonpickers and strippers farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Mower conditioners farms	29	7	6	11	41	59	1
number	30	7	6	11	41	60	(D)
Pickup balers farms	63	16	8	52	31	44	1
number	63	26	8	52	32	44	(D)
Manufactured prior to 1983:							
Motortrucks, including pickups farms	583	173	110	203	186	864	11
number	894	242	188	250	251	1 259	14
Wheel tractors farms	725	202	159	266	268	1 213	18
number	1 946	490	386	644	639	3 609	(D)
Less than 40 horsepower (PTO) farms	431	152	96	217	179	668	10
number	714	239	162	268	282	1 122	20
40 horsepower (PTO) or more farms	586	145	106	196	201	1 000	9
number	1 232	251	224	376	357	2 487	(D)
Grain and bean combines farms	234	34	42	123	69	620	-
number	276	(D)	52	135	69	742	-
Cottonpickers and strippers farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Mower conditioners farms	245	94	83	138	136	475	4
number	255	95	86	185	146	506	(D)
Pickup balers farms	286	111	83	173	133	499	5
number	317	124	96	238	137	542	(D)

See footnotes at end of table.

Table 8. **Machinery and Equipment on Place: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

All Farms	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
VALUE OF MACHINERY AND EQUIPMENT							
Estimated market value of all machinery and equipment ..... farms, 1987..	271	109	1 220	211	850	412	58
1982..	315	123	1 372	253	990	433	82
$1,000, 1987..	10 671	5 921	45 889	6 782	34 158	10 484	1 234
1982..	11 638	6 411	60 648	7 196	45 577	10 978	1 674
Average per farm ..... dollars, 1987..	39 377	63 499	37 614	32 144	40 186	25 448	21 275
1982..	36 947	52 124	44 204	28 444	46 038	25 353	20 420
Farms by value group:							
$1 to $9,999 ..... 1987..	60	32	365	80	275	158	25
1982..	101	40	392	87	296	131	32
$10,000 to $19,999 ..... 1987..	72	19	358	44	229	77	14
1982..	71	15	260	79	167	117	26
$20,000 to $29,999 ..... 1987..	33	12	89	7	67	69	7
1982..	33	5	169	16	99	81	10
$30,000 to $49,999 ..... 1987..	34	11	122	18	122	30	8
1982..	47	17	105	27	120	56	6
$50,000 to $69,999 ..... 1987..	21	13	93	38	16	51	1
1982..	11	11	136	7	68	26	4
$70,000 to $99,999 ..... 1987..	16	-	48	15	39	19	2
1982..	18	16	95	30	116	5	3
$100,000 to $199,999 ..... 1987..	32	13	101	5	65	5	-
1982..	28	15	140	5	80	11	-
$200,000 or more ..... 1987..	3	9	44	4	37	3	1
1982..	6	4	56	2	35	6	1
$200,000 to $499,999 ..... 1987..	3	8	43	4	32	3	1
$500,000 or more ..... 1987..	-	1	1	-	5	-	-
SELECTED MACHINERY AND EQUIPMENT							
Motortrucks, including pickups ..... farms, 1987..	251	104	989	191	732	323	50
1982..	282	113	1 191	212	859	371	69
number, 1987..	423	211	1 665	280	1 288	413	72
1982..	419	236	1 827	348	1 444	478	91
Wheel tractors ..... farms, 1987..	243	98	1 144	210	792	394	55
1982..	282	112	1 283	247	860	386	79
number, 1987..	768	313	3 062	572	2 132	885	128
1982..	765	311	3 194	560	2 376	1 016	163
Less than 40 horsepower (PTO) ..... farms, 1987..	169	61	704	139	476	227	48
number, 1987..	352	102	1 026	214	710	365	76
40 horsepower (PTO) or more ..... farms, 1987..	165	74	904	170	624	277	25
number, 1987..	416	211	2 036	358	1 422	520	52
Grain and bean combines[1] ..... farms, 1987..	121	29	501	74	392	158	12
1982..	84	23	487	57	401	120	7
number, 1987..	130	30	583	74	451	168	12
1982..	94	23	527	57	447	136	7
Cottonpickers and strippers ..... farms, 1987..	-	-	-	-	-	-	-
1982..	-	-	-	-	-	-	-
number, 1987..	-	-	-	-	-	-	-
1982..	-	-	-	-	-	-	-
Mower conditioners ..... farms, 1987..	178	67	470	129	254	215	27
1982..	142	65	500	128	287	232	29
number, 1987..	201	76	490	138	282	230	28
1982..	151	65	523	134	320	240	29
Pickup balers ..... farms, 1987..	169	67	503	152	282	211	38
1982..	179	77	612	149	345	218	51
number, 1987..	217	76	564	166	324	226	37
1982..	206	87	644	156	405	241	51
1987 INVENTORY							
Manufactured 1983 to 1987:							
Motortrucks, including pickups ..... farms..	90	32	417	46	255	101	14
number..	100	35	458	61	290	101	14
Wheel tractors ..... farms..	17	15	178	55	94	19	5
number..	36	23	240	76	147	21	5
Less than 40 horsepower (PTO) ..... farms..	2	11	72	33	22	8	4
number..	(D)	11	88	35	28	8	(D)
40 horsepower (PTO) or more ..... farms..	16	7	110	24	82	12	1
number..	(D)	12	152	41	119	13	(D)
Grain and bean combines ..... farms..	-	2	37	-	26	1	-
number..	-	(D)	37	-	27	(D)	-
Cottonpickers and strippers ..... farms..	-	-	-	-	-	-	-
number..	-	-	-	-	-	-	-
Mower conditioners ..... farms..	10	8	49	14	42	22	5
number..	10	8	50	14	44	22	5
Pickup balers ..... farms..	17	11	72	38	18	16	3
number..	17	11	78	38	18	16	3
Manufactured prior to 1983:							
Motortrucks, including pickups ..... farms..	209	81	737	170	610	235	41
number..	323	176	1 207	219	998	312	58
Wheel tractors ..... farms..	235	88	1 111	201	775	380	51
number..	732	290	2 822	496	1 985	864	123
Less than 40 horsepower (PTO) ..... farms..	168	50	649	115	460	220	44
number..	(D)	91	838	179	682	357	(D)
40 horsepower (PTO) or more ..... farms..	157	72	857	170	606	270	25
number..	(D)	199	1 884	317	1 303	507	(D)
Grain and bean combines ..... farms..	121	27	480	74	370	157	12
number..	130	(D)	546	74	424	(D)	12
Cottonpickers and strippers ..... farms..	-	-	-	-	-	-	-
number..	-	-	-	-	-	-	-
Mower conditioners ..... farms..	169	60	422	115	212	201	22
number..	191	68	440	124	238	208	23
Pickup balers ..... farms..	180	59	452	125	266	196	33
number..	200	65	486	128	306	210	34

See footnotes at end of table.

Table 8. **Machinery and Equipment on Place: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

All Farms	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
VALUE OF MACHINERY AND EQUIPMENT								
Estimated market value of all machinery and equipment ..... farms, 1987..	448	1 011	1 142	146	1 390	955	1 089	216
1982..	462	1 215	1 348	195	1 645	1 105	1 173	244
$1,000, 1987..	17 563	64 287	45 289	3 223	111 006	47 672	57 921	6 968
1982..	22 897	75 882	59 167	4 677	122 899	50 591	57 918	11 664
Average per farm ..... dollars, 1987..	39 378	63 587	39 657	22 072	79 860	49 918	53 187	32 257
1982..	49 560	62 454	43 892	23 984	74 711	45 784	49 376	47 801
Farms by value group:								
$1 to $9,999 ..... 1987..	144	188	350	60	171	280	230	57
1982..	104	146	437	90	183	328	310	73
$10,000 to $19,999 ..... 1987..	65	235	255	47	167	188	212	37
1982..	118	276	236	64	219	241	166	55
$20,000 to $29,999 ..... 1987..	64	92	102	8	165	95	89	45
1982..	33	147	113	7	227	110	162	36
$30,000 to $49,999 ..... 1987..	67	114	154	13	180	94	162	44
1982..	68	135	168	16	198	152	186	23
$50,000 to $69,999 ..... 1987..	32	67	119	7	149	100	156	12
1982..	27	204	117	-	191	69	90	7
$70,000 to $99,999 ..... 1987..	25	72	51	5	170	48	43	11
1982..	26	68	82	2	157	61	91	21
$100,000 to $199,999 ..... 1987..	40	165	61	5	241	99	142	7
1982..	67	152	150	16	313	90	118	24
$200,000 or more ..... 1987..	9	78	50	1	147	51	55	3
1982..	19	87	45	-	157	54	50	5
$200,000 to $499,999 ..... 1987..	8	68	48	1	139	43	52	3
$500,000 or more ..... 1987..	1	10	2	-	8	8	3	-
SELECTED MACHINERY AND EQUIPMENT								
Motortrucks, including pickups ..... farms, 1987..	400	884	942	129	1 205	790	955	169
1982..	384	1 098	1 104	169	1 423	961	1 081	189
number, 1987..	663	1 954	1 511	200	2 682	1 445	1 629	256
1982..	628	2 200	1 690	253	2 563	1 513	1 534	241
Wheel tractors ..... farms, 1987..	402	942	1 061	131	1 329	924	1 004	185
1982..	430	1 130	1 222	178	1 534	974	1 137	238
number, 1987..	1 146	3 201	2 946	326	5 213	2 864	3 308	501
1982..	1 195	3 388	3 213	449	5 570	2 797	3 119	574
Less than 40 horsepower (PTO) ..... farms, 1987..	289	610	576	108	747	529	539	143
number, 1987..	456	974	861	176	1 496	993	889	181
40 horsepower (PTO) or more ..... farms, 1987..	267	783	888	69	1 193	720	884	142
number, 1987..	688	2 227	2 085	150	3 717	1 871	2 419	320
Grain and bean combines[1] ..... farms, 1987..	37	621	512	50	983	370	498	79
1982..	34	623	571	10	1 142	334	352	62
number, 1987..	47	779	584	57	1 207	467	604	99
1982..	36	759	619	10	1 264	356	389	64
Cottonpickers and strippers ..... farms, 1987..	-	-	-	-	-	-	-	-
1982..	-	-	-	-	-	-	-	-
number, 1987..	-	-	-	-	-	-	-	-
1982..	-	-	-	-	-	-	-	-
Mower conditioners ..... farms, 1987..	113	305	453	78	494	410	526	132
1982..	188	310	464	65	562	435	486	153
number, 1987..	129	324	473	84	520	427	575	140
1982..	191	312	469	65	588	447	517	155
Pickup balers ..... farms, 1987..	109	287	521	88	629	474	602	159
1982..	174	312	579	135	712	472	593	154
number, 1987..	137	377	554	107	680	572	728	183
1982..	197	327	635	146	751	530	661	169
1987 INVENTORY								
Manufactured 1983 to 1987:								
Motortrucks, including pickups ..... farms..	102	290	395	47	471	332	379	63
number..	124	372	413	50	507	407	417	63
Wheel tractors ..... farms..	79	114	108	4	234	132	154	25
number..	94	164	137	4	360	229	248	34
Less than 40 horsepower (PTO) ..... farms..	29	19	31	-	79	49	43	7
number..	30	20	31	-	99	64	46	7
40 horsepower (PTO) or more ..... farms..	55	105	85	4	184	88	126	25
number..	64	144	106	4	261	165	202	27
Grain and bean combines ..... farms..	3	61	38	-	94	35	48	-
number..	3	61	38	-	101	37	49	-
Cottonpickers and strippers ..... farms..	-	-	-	-	-	-	-	-
number..	-	-	-	-	-	-	-	-
Mower conditioners ..... farms..	39	24	80	7	83	89	76	10
number..	40	24	80	7	83	91	78	10
Pickup balers ..... farms..	28	32	54	3	62	64	95	24
number..	28	33	54	3	64	69	103	24
Manufactured prior to 1983:								
Motortrucks, including pickups ..... farms..	337	748	685	101	1 012	569	754	135
number..	539	1 582	1 098	150	2 175	1 038	1 212	193
Wheel tractors ..... farms..	358	940	1 036	131	1 284	852	977	178
number..	1 052	3 037	2 809	322	4 853	2 635	3 060	487
Less than 40 horsepower (PTO) ..... farms..	265	606	553	108	688	494	507	136
number..	428	954	830	176	1 397	929	843	174
40 horsepower (PTO) or more ..... farms..	240	781	837	65	1 151	671	843	135
number..	624	2 083	1 979	146	3 456	1 706	2 217	293
Grain and bean combines ..... farms..	34	570	474	50	927	339	456	79
number..	44	718	526	57	1 106	430	555	99
Cottonpickers and strippers ..... farms..	-	-	-	-	-	-	-	-
number..	-	-	-	-	-	-	-	-
Mower conditioners ..... farms..	88	281	377	73	418	333	463	122
number..	89	300	393	77	437	336	497	130
Pickup balers ..... farms..	99	269	473	88	572	431	555	136
number..	109	344	500	104	616	503	625	159

See footnotes at end of table.

Table 8. **Machinery and Equipment on Place: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

All Farms	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
VALUE OF MACHINERY AND EQUIPMENT								
Estimated market value of all machinery and equipment farms, 1987	95	912	1 103	842	89	1 369	2	111
1982	98	1 016	1 241	961	91	1 525	4	123
$1,000, 1987	2 840	34 981	46 567	35 347	2 863	58 717	(D)	2 460
1982	2 707	43 032	48 832	37 663	3 446	62 839	19	2 558
Average per farm dollars, 1987	29 895	38 357	42 218	41 980	32 172	42 890	(D)	22 166
1982	27 619	42 354	39 349	39 192	37 873	41 206	4 750	20 799
Farms by value group:								
$1 to $9,999 1987	47	297	350	270	30	391	2	35
1982	40	249	400	356	35	449	3	71
$10,000 to $19,999 1987	14	202	229	202	29	298	-	33
1982	25	261	249	172	15	404	1	25
$20,000 to $29,999 1987	9	79	145	75	9	203	-	19
1982	10	82	214	138	8	168	-	4
$30,000 to $49,999 1987	8	115	101	130	6	169	-	12
1982	4	177	148	66	14	181	-	14
$50,000 to $69,999 1987	8	72	96	40	4	77	-	7
1982	8	57	57	72	4	69	-	2
$70,000 to $99,999 1987	3	56	52	28	-	35	-	3
1982	6	71	29	20	5	70	-	1
$100,000 to $199,999 1987	4	62	86	59	8	150	-	1
1982	4	86	108	69	8	114	-	3
$200,000 or more 1987	2	29	42	38	3	46	-	1
1982	1	31	38	39	2	70	-	3
$200,000 to $499,999 1987	2	27	37	35	3	35	-	1
$500,000 or more 1987	-	2	5	3	-	11	-	-
SELECTED MACHINERY AND EQUIPMENT								
Motortrucks, including pickups farms, 1987	74	626	916	666	73	1 112	-	90
1982	84	826	1 082	815	75	1 234	1	87
number, 1987	126	1 044	1 567	1 179	130	2 027	-	129
1982	157	1 173	1 712	1 311	110	2 012	(D)	109
Wheel tractors farms, 1987	87	792	1 054	783	83	1 257	-	105
1982	90	938	1 121	830	90	1 365	3	105
number, 1987	233	2 219	2 961	2 037	223	3 787	-	254
1982	226	2 446	2 764	2 030	226	3 936	(D)	232
Less than 40 horsepower (PTO) farms, 1987	61	417	634	494	61	816	-	78
number, 1987	103	704	1 051	830	103	1 369	-	110
40 horsepower (PTO) or more farms, 1987	56	606	803	522	57	968	-	73
number, 1987	130	1 515	1 910	1 207	125	2 418	-	144
Grain and bean combines[1] farms, 1987	28	347	419	232	23	312	-	34
1982	22	412	360	223	18	288	-	35
number, 1987	31	426	452	263	26	380	-	41
1982	22	467	379	247	18	300	-	36
Cottonpickers and strippers farms, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
number, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
Mower conditioners farms, 1987	54	397	467	253	47	606	-	52
1982	36	447	437	313	32	552	-	41
number, 1987	56	443	508	260	48	687	-	52
1982	39	474	459	343	34	613	-	41
Pickup balers farms, 1987	55	399	565	294	55	644	1	73
1982	68	458	496	311	47	651	2	80
number, 1987	63	467	652	316	55	740	(D)	90
1982	73	510	550	326	49	720	(D)	62
1987 INVENTORY								
Manufactured 1983 to 1987:								
Motortrucks, including pickups farms	22	175	379	228	36	538	-	22
number	28	199	422	285	43	646	-	23
Wheel tractors farms	5	108	108	106	7	278	-	4
number	5	195	152	162	8	430	-	9
Less than 40 horsepower (PTO) farms	2	44	40	27	3	122	-	1
number	(D)	54	41	35	3	155	-	(D)
40 horsepower (PTO) or more farms	3	89	74	84	5	198	-	4
number	(D)	141	111	127	5	275	-	(D)
Grain and bean combines farms	-	22	11	22	1	41	-	-
number	-	22	11	24	(D)	41	-	-
Cottonpickers and strippers farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Mower conditioners farms	10	55	70	36	2	159	-	5
number	10	57	74	37	(D)	164	-	5
Pickup balers farms	10	60	64	28	2	74	-	12
number	10	65	73	30	(D)	83	-	12
Manufactured prior to 1983:								
Motortrucks, including pickups farms	63	562	702	565	53	794	-	77
number	98	845	1 145	894	87	1 381	-	106
Wheel tractors farms	87	756	1 012	759	80	1 138	-	105
number	228	2 024	2 808	1 875	220	3 357	-	245
Less than 40 horsepower (PTO) farms	59	377	602	474	59	715	-	77
number	(D)	650	1 010	795	100	1 214	-	(D)
40 horsepower (PTO) or more farms	55	573	788	490	54	891	-	70
number	(D)	1 374	1 799	1 080	120	2 143	-	(D)
Grain and bean combines farms	28	325	408	213	22	282	-	34
number	31	404	441	239	(D)	339	-	41
Cottonpickers and strippers farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Mower conditioners farms	44	344	404	221	45	465	-	47
number	46	386	434	223	(D)	523	-	47
Pickup balers farms	48	358	516	268	53	587	1	69
number	53	402	579	286	(D)	657	(D)	76

See footnotes at end of table.

Table 8. **Machinery and Equipment on Place: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

All Farms	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
VALUE OF MACHINERY AND EQUIPMENT								
Estimated market value of all machinery and equipment ... farms, 1987	1 230	395	1 387	773	34	80	667	280
1982	1 361	429	1 618	884	29	96	819	304
$1,000, 1987	55 583	23 260	76 501	28 611	1 037	2 343	28 463	9 167
1982	58 762	21 359	85 623	34 826	865	3 265	32 178	9 547
Average per farm ... dollars, 1987	45 190	58 886	55 156	37 013	30 497	29 282	42 673	32 739
1982	43 176	49 789	52 919	39 396	29 834	34 014	39 269	31 403
Farms by value group:								
$1 to $9,999 ... 1987	378	87	312	305	10	24	157	133
1982	456	118	435	308	7	37	169	122
$10,000 to $19,999 ... 1987	248	40	219	152	4	20	109	56
1982	263	50	202	177	9	14	154	53
$20,000 to $29,999 ... 1987	169	63	158	33	9	7	136	22
1982	132	66	214	85	2	13	152	37
$30,000 to $49,999 ... 1987	137	75	189	119	2	12	105	12
1982	147	47	196	109	7	12	165	43
$50,000 to $69,999 ... 1987	89	31	141	48	5	9	31	13
1982	95	43	198	74	-	7	69	20
$70,000 to $99,999 ... 1987	56	17	112	33	2	4	56	12
1982	100	47	84	45	3	3	20	2
$100,000 to $199,999 ... 1987	101	65	175	61	2	4	39	23
1982	112	38	195	42	1	9	63	20
$200,000 or more ... 1987	52	17	81	22	-	-	34	9
1982	56	20	94	44	-	1	27	7
$200,000 to $499,999 ... 1987	40	15	73	21	-	-	33	9
$500,000 or more ... 1987	12	2	8	1	-	-	1	-
SELECTED MACHINERY AND EQUIPMENT								
Motortrucks, including pickups ... farms, 1987	997	360	1 193	675	29	61	569	210
1982	1 121	377	1 413	719	25	68	731	241
number, 1987	1 726	658	2 393	1 163	58	84	1 009	362
1982	1 746	704	2 407	1 153	53	90	1 198	379
Wheel tractors ... farms, 1987	1 133	372	1 334	693	33	76	637	262
1982	1 247	381	1 473	823	26	90	759	268
number, 1987	3 598	1 252	4 230	1 904	72	218	1 965	607
1982	3 450	1 104	4 052	1 964	66	224	2 042	559
Less than 40 horsepower (PTO) ... farms, 1987	776	224	656	431	24	53	403	183
number, 1987	1 427	395	1 108	760	32	99	763	261
40 horsepower (PTO) or more ... farms, 1987	831	302	1 146	460	21	52	462	156
number, 1987	2 171	857	3 122	1 144	40	119	1 202	346
Grain and bean combines[1] ... farms, 1987	413	19	729	193	6	36	174	30
1982	295	29	798	136	7	34	273	5
number, 1987	457	19	803	225	6	39	197	33
1982	303	(D)	858	145	8	35	297	7
Cottonpickers and strippers ... farms, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
number, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
Mower conditioners ... farms, 1987	626	84	385	326	15	43	142	99
1982	574	88	413	397	12	46	239	70
number, 1987	683	85	427	353	17	45	176	99
1982	617	90	519	446	12	49	240	70
Pickup balers ... farms, 1987	699	97	424	310	22	51	195	101
1982	670	123	503	422	11	71	289	69
number, 1987	779	98	483	353	31	63	231	113
1982	703	124	520	478	15	82	303	75
1987 INVENTORY								
Manufactured 1983 to 1987:								
Motortrucks, including pickups ... farms	332	117	384	262	15	28	223	96
number	403	128	437	315	16	29	257	109
Wheel tractors ... farms	194	110	202	116	4	12	109	30
number	282	140	268	146	4	12	179	46
Less than 40 horsepower (PTO) ... farms	89	25	43	67	2	5	49	8
number	90	25	43	71	(D)	5	57	8
40 horsepower (PTO) or more ... farms	126	91	173	65	2	7	73	23
number	192	115	225	75	(D)	7	122	38
Grain and bean combines ... farms	34	2	93	13	-	1	10	6
number	36	(D)	93	14	-	(D)	11	6
Cottonpickers and strippers ... farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Mower conditioners ... farms	85	10	77	71	3	7	33	-
number	85	11	85	71	3	7	35	-
Pickup balers ... farms	93	21	50	80	5	5	15	12
number	95	21	53	84	5	6	16	12
Manufactured prior to 1983:								
Motortrucks, including pickups ... farms	822	329	1 048	548	20	42	461	154
number	1 323	530	1 956	848	42	55	752	253
Wheel tractors ... farms	1 080	360	1 321	656	31	70	618	257
number	3 316	1 112	3 962	1 758	68	206	1 786	561
Less than 40 horsepower (PTO) ... farms	726	213	635	388	22	49	377	182
number	1 337	370	1 065	689	(D)	94	706	253
40 horsepower (PTO) or more ... farms	804	282	1 115	437	19	50	448	151
number	1 979	742	2 897	1 069	(D)	112	1 080	308
Grain and bean combines ... farms	386	17	639	181	6	35	167	24
number	421	(D)	710	211	6	(D)	186	27
Cottonpickers and strippers ... farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Mower conditioners ... farms	542	74	309	266	13	38	109	99
number	598	74	342	282	14	38	141	99
Pickup balers ... farms	620	76	379	251	21	48	187	94
number	684	77	430	269	26	57	215	101

See footnotes at end of table.

Table 8. **Machinery and Equipment on Place: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

All Farms		Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
VALUE OF MACHINERY AND EQUIPMENT									
Estimated market value of all machinery and equipment	farms, 1987	101	426	639	368	459	305	1 252	979
	1982	125	492	684	458	502	343	1 452	1 133
	$1,000, 1987	3 210	16 816	21 045	16 583	20 323	19 206	57 134	43 849
	1982	2 941	18 602	25 916	21 913	24 884	20 712	74 816	57 018
Average per farm	dollars, 1987	31 787	39 475	32 935	45 061	44 277	62 970	45 634	44 789
	1982	23 531	37 809	37 889	47 844	49 570	60 385	51 526	50 325
Farms by value group:									
$1 to $9,999	1987	45	153	281	91	141	57	342	303
	1982	58	163	202	111	125	79	431	370
$10,000 to $19,999	1987	19	41	115	84	73	41	223	181
	1982	33	69	162	100	92	33	239	205
$20,000 to $29,999	1987	6	65	57	38	57	56	186	199
	1982	4	84	52	29	77	40	150	105
$30,000 to $49,999	1987	11	46	59	42	43	20	135	74
	1982	7	61	96	41	63	29	157	148
$50,000 to $69,999	1987	6	55	49	30	55	29	122	47
	1982	14	32	55	51	43	50	115	80
$70,000 to $99,999	1987	4	22	31	23	44	25	91	49
	1982	4	44	31	59	21	34	113	55
$100,000 to $199,999	1987	8	29	25	44	34	55	99	79
	1982	5	18	74	51	61	64	170	104
$200,000 or more	1987	2	15	22	16	12	22	54	47
	1982	-	21	12	16	20	14	77	66
$200,000 to $499,999	1987	2	14	21	16	10	21	47	38
$500,000 or more	1987	-	1	1	-	2	1	7	9
SELECTED MACHINERY AND EQUIPMENT									
Motortrucks, including pickups	farms, 1987	91	334	504	302	411	273	1 136	835
	1982	119	383	564	406	452	287	1 270	949
	number, 1987	178	524	752	396	770	431	2 425	1 526
	1982	208	582	826	550	797	360	2 403	1 492
Wheel tractors	farms, 1987	79	412	600	342	432	293	1 178	919
	1982	120	450	602	442	483	298	1 362	1 044
	number, 1987	214	1 166	1 560	1 008	1 383	879	3 562	2 802
	1982	251	1 200	1 636	1 333	1 196	937	3 625	2 745
Less than 40 horsepower (PTO)	farms, 1987	61	270	410	204	320	118	625	581
	number, 1987	111	488	604	319	540	227	1 127	999
40 horsepower (PTO) or more	farms, 1987	45	270	440	286	345	237	921	739
	number, 1987	103	678	956	689	843	652	2 435	1 803
Grain and bean combines[1]	farms, 1987	34	79	130	128	204	55	622	456
	1982	16	65	122	171	217	47	676	360
	number, 1987	34	100	147	137	266	55	675	571
	1982	17	65	122	173	258	47	762	416
Cottonpickers and strippers	farms, 1987	-	-	-	-	-	-	-	-
	1982	-	-	-	-	-	-	-	-
	number, 1987	-	-	-	-	-	-	-	-
	1982	-	-	-	-	-	-	-	-
Mower conditioners	farms, 1987	45	195	334	255	123	183	155	377
	1982	41	207	287	258	115	202	186	401
	number, 1987	47	201	344	263	129	195	164	411
	1982	45	245	303	267	115	220	202	414
Pickup balers	farms, 1987	52	192	386	280	140	236	242	453
	1982	54	194	374	294	165	241	325	463
	number, 1987	55	212	468	337	147	289	245	570
	1982	69	199	409	316	165	290	343	508
1987 INVENTORY									
Manufactured 1983 to 1987:									
Motortrucks, including pickups	farms	45	61	166	88	138	131	432	345
	number	46	79	187	89	149	152	484	393
Wheel tractors	farms	10	83	65	77	31	64	150	102
	number	11	106	93	109	44	99	196	129
Less than 40 horsepower (PTO)	farms	3	9	11	7	9	6	70	35
	number	3	9	11	7	10	7	75	37
40 horsepower (PTO) or more	farms	7	76	64	70	24	61	109	70
	number	8	97	82	102	34	92	121	92
Grain and bean combines	farms	-	5	12	6	21	2	60	24
	number	-	5	12	6	22	(D)	61	24
Cottonpickers and strippers	farms	-	-	-	-	-	-	-	-
	number	-	-	-	-	-	-	-	-
Mower conditioners	farms	1	26	64	18	14	61	21	73
	number	(D)	26	65	18	14	61	21	75
Pickup balers	farms	6	24	107	33	14	55	3	52
	number	6	24	110	34	14	57	4	54
Manufactured prior to 1983:									
Motortrucks, including pickups	farms	66	297	414	237	344	187	975	639
	number	132	445	565	307	621	279	1 941	1 133
Wheel tractors	farms	76	399	592	336	430	284	1 161	901
	number	203	1 060	1 467	899	1 339	780	3 366	2 673
Less than 40 horsepower (PTO)	farms	58	269	409	197	312	114	583	550
	number	108	479	593	312	530	220	1 052	962
40 horsepower (PTO) or more	farms	42	244	416	280	342	227	905	736
	number	95	581	874	587	809	560	2 314	1 711
Grain and bean combines	farms	34	74	118	122	193	53	565	437
	number	34	95	135	131	244	(D)	614	547
Cottonpickers and strippers	farms	-	-	-	-	-	-	-	-
	number	-	-	-	-	-	-	-	-
Mower conditioners	farms	45	171	274	238	109	126	134	308
	number	(D)	175	279	245	115	134	143	336
Pickup balers	farms	47	178	318	265	133	198	239	438
	number	49	188	358	303	133	232	241	516

See footnotes at end of table.

Table 8. **Machinery and Equipment on Place: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

All Farms	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
VALUE OF MACHINERY AND EQUIPMENT								
Estimated market value of all machinery and equipment ......farms, 1987..	107	460	687	596	679	288	117	503
1982..	106	473	784	689	735	308	145	549
$1,000, 1987..	3 720	23 340	35 694	22 346	31 515	15 360	2 704	18 884
1982..	5 283	19 110	29 425	16 034	29 527	12 724	3 214	18 787
Average per farm ......dollars, 1987..	34 763	50 740	51 957	37 494	46 414	53 335	23 109	37 542
1982..	49 840	40 403	37 531	23 271	40 173	41 310	22 167	34 220
Farms by value group:								
$1 to $9,999 ......1987..	27	156	246	262	204	89	35	194
1982..	28	157	330	295	188	99	49	183
$10,000 to $19,999 ......1987..	22	106	71	52	98	55	37	80
1982..	13	113	127	186	188	73	39	141
$20,000 to $29,999 ......1987..	17	52	84	65	76	11	17	74
1982..	7	47	67	71	101	29	15	74
$30,000 to $49,999 ......1987..	13	28	66	99	111	37	10	43
1982..	20	40	120	68	93	49	28	59
$50,000 to $69,999 ......1987..	9	24	67	42	75	40	17	30
1982..	9	23	6	12	48	7	3	17
$70,000 to $99,999 ......1987..	8	23	42	22	23	1	-	37
1982..	11	42	28	34	45	16	10	21
$100,000 to $199,999 ......1987..	11	32	58	29	63	31	-	23
1982..	15	34	80	16	45	20	1	31
$200,000 or more ......1987..	-	39	53	25	29	24	1	22
1982..	3	17	26	7	27	15	-	23
$200,000 to $499,999 ......1987..	-	36	52	24	26	23	1	21
$500,000 or more ......1987..	-	3	1	1	3	1	-	1
SELECTED MACHINERY AND EQUIPMENT								
Motortrucks, including pickups ......farms, 1987..	87	412	622	497	605	260	90	423
1982..	86	373	616	523	640	270	131	452
number, 1987..	134	765	1 012	850	1 140	445	124	623
1982..	117	589	899	813	1 047	325	171	582
Wheel tractors ......farms, 1987..	99	436	623	539	641	278	117	459
1982..	101	443	722	591	671	290	136	519
number, 1987..	253	1 315	2 005	1 212	1 985	810	302	1 222
1982..	258	1 071	1 967	1 020	1 969	770	320	1 245
Less than 40 horsepower (PTO) ......farms, 1987..	71	254	377	482	408	201	61	265
number, 1987..	104	409	645	786	675	279	128	418
40 horsepower (PTO) or more ......farms, 1987..	73	335	491	199	471	209	78	336
number, 1987..	149	906	1 360	426	1 310	531	174	804
Grain and bean combines[1] ......farms, 1987..	46	112	214	92	119	99	51	113
1982..	36	61	109	54	74	120	32	106
number, 1987..	57	115	228	94	128	111	61	137
1982..	38	62	112	57	74	122	36	115
Cottonpickers and strippers ......farms, 1987..	-	-	-	-	-	-	-	-
1982..	-	-	-	-	-	-	-	-
number, 1987..	-	-	-	-	-	-	-	-
1982..	-	-	-	-	-	-	-	-
Mower conditioners ......farms, 1987..	57	194	360	172	229	169	77	251
1982..	64	164	364	213	203	193	86	280
number, 1987..	58	202	387	174	246	181	82	291
1982..	70	177	372	221	225	198	91	281
Pickup balers ......farms, 1987..	59	177	381	179	255	207	94	307
1982..	69	198	393	217	197	200	109	335
number, 1987..	66	199	438	201	276	238	121	397
1982..	75	210	398	225	206	238	126	373
1987 INVENTORY								
Manufactured 1983 to 1987:								
Motortrucks, including pickups ......farms..	35	196	191	256	226	111	31	156
number..	42	239	217	336	287	135	31	172
Wheel tractors ......farms..	16	78	73	116	118	75	4	46
number..	16	117	127	199	241	79	4	68
Less than 40 horsepower (PTO) ......farms..	4	11	15	76	33	24	3	3
number..	4	16	24	113	56	24	(D)	6
40 horsepower (PTO) or more ......farms..	12	69	69	58	113	54	1	44
number..	12	101	103	86	185	55	(D)	62
Grain and bean combines ......farms..	4	4	12	8	12	1	-	7
number..	4	5	12	9	17	(D)	-	8
Cottonpickers and strippers ......farms..	-	-	-	-	-	-	-	-
number..	-	-	-	-	-	-	-	-
Mower conditioners ......farms..	12	27	77	47	41	49	10	49
number..	12	28	77	47	41	49	10	49
Pickup balers ......farms..	8	31	48	16	24	38	5	66
number..	8	37	48	18	24	39	8	72
Manufactured prior to 1983:								
Motortrucks, including pickups ......farms..	69	296	509	324	496	191	65	333
number..	92	526	795	514	853	310	93	451
Wheel tractors ......farms..	96	434	613	501	627	266	114	458
number..	237	1 198	1 878	1 013	1 744	731	298	1 154
Less than 40 horsepower (PTO) ......farms..	67	253	366	443	385	186	78	263
number..	100	393	621	673	619	255	(D)	412
40 horsepower (PTO) or more ......farms..	73	313	481	181	437	209	78	329
number..	137	805	1 257	340	1 125	476	(D)	742
Grain and bean combines ......farms..	46	109	202	84	108	98	51	107
number..	53	110	216	85	111	(D)	61	129
Cottonpickers and strippers ......farms..	-	-	-	-	-	-	-	-
number..	-	-	-	-	-	-	-	-
Mower conditioners ......farms..	46	169	294	126	195	121	67	204
number..	46	174	310	127	205	132	72	242
Pickup balers ......farms..	53	150	350	167	241	181	91	287
number..	58	162	390	183	252	199	113	325

See footnotes at end of table.

Table 8. **Machinery and Equipment on Place: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

All Farms	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
VALUE OF MACHINERY AND EQUIPMENT								
Estimated market value of all machinery and equipment .... farms, 1987	84	133	1 464	293	31	1 417	1 092	880
1982	86	142	1 566	335	37	1 702	1 302	1 033
$1,000, 1987	2 081	4 715	76 939	14 529	480	70 332	43 288	49 071
1982	2 704	4 496	71 313	13 079	772	94 388	56 520	51 721
Average per farm .... dollars, 1987	24 780	35 448	52 554	49 587	15 494	49 634	39 641	55 763
1982	31 439	31 663	45 538	39 042	20 872	55 457	43 410	50 068
Farms by value group:								
$1 to $9,999 1987	34	33	411	68	20	314	267	237
1982	35	34	479	133	20	354	385	354
$10,000 to $19,999 1987	13	18	251	76	1	250	201	153
1982	14	27	332	55	7	293	235	149
$20,000 to $29,999 1987	15	25	199	31	5	257	172	110
1982	4	21	141	34	3	223	131	46
$30,000 to $49,999 1987	10	23	204	31	4	171	138	64
1982	11	29	156	25	3	261	235	129
$50,000 to $69,999 1987	6	14	65	31	-	125	124	106
1982	12	14	119	34	3	152	55	118
$70,000 to $99,999 1987	1	12	104	19	1	74	126	63
1982	4	9	134	11	-	125	64	66
$100,000 to $199,999 1987	5	7	146	20	-	157	36	86
1982	6	7	151	34	-	187	154	127
$200,000 or more 1987	-	1	84	17	-	69	28	61
1982	-	1	54	9	1	107	43	44
$200,000 to $499,999 1987	-	1	74	16	-	64	25	56
$500,000 or more 1987	-	-	10	1	-	5	3	5
SELECTED MACHINERY AND EQUIPMENT								
Motortrucks, including pickups .... farms, 1987	58	102	1 265	238	23	1 245	906	730
1982	64	119	1 323	283	32	1 530	1 044	902
number, 1987	106	164	2 322	506	32	2 602	1 499	1 173
1982	85	182	2 135	427	54	2 902	1 568	1 291
Wheel tractors .... farms, 1987	79	125	1 291	282	31	1 308	1 062	778
1982	73	135	1 403	302	32	1 629	1 202	882
number, 1987	205	346	4 301	781	73	4 181	3 237	2 367
1982	191	374	4 166	908	(D)	5 102	3 123	2 270
Less than 40 horsepower (PTO) .... farms, 1987	52	80	860	164	21	686	657	469
number, 1987	81	114	1 768	301	39	1 472	1 158	811
40 horsepower (PTO) or more .... farms, 1987	60	95	969	200	21	1 068	858	629
number, 1987	124	232	2 533	480	34	2 709	2 079	1 556
Grain and bean combines[1] .... farms, 1987	17	51	297	138	4	943	594	396
1982	11	24	217	115	3	1 042	553	383
number, 1987	18	57	314	175	5	1 069	746	462
1982	11	24	217	129	3	1 139	634	421
Cottonpickers and strippers .... farms, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
number, 1987	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
Mower conditioners .... farms, 1987	42	89	433	164	14	349	530	306
1982	42	69	475	145	8	337	474	255
number, 1987	45	92	483	166	14	371	578	310
1982	43	74	502	153	8	340	662	261
Pickup balers .... farms, 1987	56	92	485	203	18	398	586	329
1982	54	82	607	177	15	409	590	337
number, 1987	62	115	522	265	25	430	651	360
1982	57	82	622	187	18	411	640	342
1987 INVENTORY								
Manufactured 1983 to 1987:								
Motortrucks, including pickups .... farms	16	35	497	78	10	387	310	250
number	19	42	662	96	10	436	348	308
Wheel tractors .... farms	9	24	255	50	6	119	146	133
number	10	27	476	81	(D)	170	220	221
Less than 40 horsepower (PTO) .... farms	2	1	104	19	3	28	59	33
number	(D)	(D)	149	19	(D)	34	71	34
40 horsepower (PTO) or more .... farms	7	24	174	34	3	104	120	122
number	(D)	(D)	327	62	3	136	149	187
Grain and bean combines .... farms	2	3	32	1	-	54	30	37
number	(D)	3	33	(D)	-	60	30	42
Cottonpickers and strippers .... farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Mower conditioners .... farms	5	10	96	18	5	26	36	46
number	5	10	104	19	5	28	36	47
Pickup balers .... farms	6	19	78	26	5	32	49	31
number	6	20	82	26	5	33	49	33
Manufactured prior to 1983:								
Motortrucks, including pickups .... farms	52	78	981	199	18	1 084	774	565
number	87	122	1 660	410	22	2 166	1 151	865
Wheel tractors .... farms	77	125	1 241	272	29	1 293	1 027	748
number	195	319	3 825	700	(D)	4 011	3 017	2 146
Less than 40 horsepower (PTO) .... farms	50	80	814	164	19	668	636	444
number	(D)	(D)	1 619	282	(D)	1 438	1 087	777
40 horsepower (PTO) or more .... farms	56	87	930	180	18	1 047	810	592
number	(D)	(D)	2 206	418	31	2 573	1 930	1 369
Grain and bean combines .... farms	15	48	276	137	4	900	573	361
number	(D)	54	281	(D)	5	1 009	716	420
Cottonpickers and strippers .... farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Mower conditioners .... farms	37	82	341	146	9	324	494	262
number	40	82	379	147	9	343	542	263
Pickup balers .... farms	52	85	412	188	16	366	559	313
number	56	95	440	239	20	397	602	327

See footnotes at end of table.

Table 8. **Machinery and Equipment on Place: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

All Farms	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
VALUE OF MACHINERY AND EQUIPMENT								
Estimated market value of all machinery and equipment ......farms, 1987..	1 559	52	1 160	1 198	1 277	1 222	334	178
1982..	1 842	56	1 387	1 471	1 455	1 347	439	229
$1,000, 1987..	94 820	1 430	51 033	72 360	56 920	56 582	9 932	4 303
1982..	114 449	1 249	64 586	98 168	57 937	68 303	15 860	4 994
Average per farm ......dollars, 1987..	60 821	27 506	43 994	60 401	44 573	46 303	29 737	24 173
1982..	62 133	22 305	46 566	66 735	39 819	50 707	36 126	21 806
Farms by value group:								
$1 to $9,999 ...... 1987..	276	25	260	176	345	314	132	79
1982..	358	28	308	308	469	353	136	113
$10,000 to $19,999 ...... 1987..	289	7	250	316	273	251	70	36
1982..	245	7	206	242	214	250	102	26
$20,000 to $29,999 ...... 1987..	201	4	136	133	127	148	31	17
1982..	242	5	247	119	206	152	41	50
$30,000 to $49,999 ...... 1987..	174	8	166	139	177	171	63	19
1982..	312	8	147	176	147	175	84	15
$50,000 to $69,999 ...... 1987..	141	2	101	125	135	102	9	13
1982..	164	7	143	147	144	66	12	17
$70,000 to $99,999 ...... 1987..	172	1	55	86	91	71	7	6
1982..	181	-	112	116	125	121	18	-
$100,000 to $199,999 ...... 1987..	209	5	144	134	97	116	14	3
1982..	199	1	167	246	104	161	24	4
$200,000 or more ...... 1987..	97	-	25	89	32	49	8	3
1982..	141	-	34	117	24	69	22	2
$200,000 to $499,999 ...... 1987..	84	-	23	83	26	43	7	3
$500,000 or more ...... 1987..	13	-	2	6	6	6	1	-
SELECTED MACHINERY AND EQUIPMENT								
Motortrucks, including pickups ......farms, 1987..	1 358	36	1 026	1 071	1 130	985	246	157
1982..	1 517	34	1 213	1 280	1 212	1 092	410	164
number, 1987..	2 333	69	1 934	2 342	2 101	1 803	508	225
1982..	2 338	49	1 869	2 536	2 141	1 966	750	203
Wheel tractors ......farms, 1987..	1 486	47	1 095	1 165	1 184	1 140	323	172
1982..	1 689	51	1 314	1 360	1 326	1 245	392	229
number, 1987..	5 394	141	3 468	4 107	3 570	3 629	831	432
1982..	5 093	104	3 610	4 181	3 415	3 635	790	542
Less than 40 horsepower (PTO) ......farms, 1987..	790	39	745	761	678	691	233	138
number, 1987..	1 335	82	1 267	1 376	1 698	1 234	435	243
40 horsepower (PTO) or more ......farms, 1987..	1 301	24	893	946	869	861	178	94
number, 1987..	4 059	59	2 201	2 731	1 872	2 395	396	189
Grain and bean combines[1] ......farms, 1987..	900	13	706	788	246	468	93	39
1982..	825	15	676	875	273	519	100	14
number, 1987..	1 152	16	807	1 028	285	550	94	41
1982..	914	15	721	901	297	563	100	14
Cottonpickers and strippers ......farms, 1987..	-	-	-	-	-	-	-	-
1982..	-	-	-	-	-	-	-	-
number, 1987..	-	-	-	-	-	-	-	-
1982..	-	-	-	-	-	-	-	-
Mower conditioners ......farms, 1987..	775	27	432	435	330	523	43	97
1982..	786	23	403	369	314	541	46	141
number, 1987..	915	32	448	457	346	549	53	97
1982..	860	(D)	422	398	330	565	46	141
Pickup balers ......farms, 1987..	852	31	459	520	303	592	56	102
1982..	855	30	467	533	321	637	72	127
number, 1987..	1 006	36	512	548	371	673	62	118
1982..	926	35	480	544	371	701	82	130
1987 INVENTORY								
Manufactured 1983 to 1987:								
Motortrucks, including pickups ...... farms..	495	13	342	375	457	470	100	66
number..	564	13	360	420	634	570	130	71
Wheel tractors ...... farms..	262	6	76	196	220	231	73	25
number..	401	6	96	312	323	368	77	26
Less than 40 horsepower (PTO) ...... farms..	63	4	18	48	98	129	63	16
number..	73	(D)	19	53	114	153	64	16
40 horsepower (PTO) or more ...... farms..	224	2	59	168	149	130	12	9
number..	328	(D)	77	259	209	215	13	10
Grain and bean combines ...... farms..	70	-	24	103	20	16	8	-
number..	80	-	24	106	23	16	8	-
Cottonpickers and strippers ...... farms..	-	-	-	-	-	-	-	-
number..	-	-	-	-	-	-	-	-
Mower conditioners ...... farms..	98	1	49	88	42	92	8	20
number..	100	(D)	49	89	45	92	8	20
Pickup balers ...... farms..	112	-	18	51	41	97	7	18
number..	117	-	18	51	42	107	7	18
Manufactured prior to 1983:								
Motortrucks, including pickups ...... farms..	1 055	29	871	892	894	745	200	131
number..	1 769	56	1 574	1 922	1 467	1 233	378	154
Wheel tractors ...... farms..	1 413	46	1 093	1 113	1 157	1 054	266	162
number..	4 993	135	3 372	3 795	3 247	3 261	754	406
Less than 40 horsepower (PTO) ...... farms..	738	39	737	722	843	613	196	122
number..	1 262	(D)	1 248	1 323	1 564	1 081	371	227
40 horsepower (PTO) or more ...... farms..	1 248	23	891	904	821	806	177	94
number..	3 731	(D)	2 124	2 472	1 663	2 180	383	179
Grain and bean combines ...... farms..	849	13	695	711	230	453	85	39
number..	1 072	16	783	922	262	534	86	41
Cottonpickers and strippers ...... farms..	-	-	-	-	-	-	-	-
number..	-	-	-	-	-	-	-	-
Mower conditioners ...... farms..	682	26	385	347	293	435	42	77
number..	815	(D)	399	368	301	457	45	77
Pickup balers ...... farms..	752	31	449	477	270	520	55	86
number..	891	36	494	497	329	566	55	100

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[1] Data for 1982 include self-propelled only.

Table 9. **Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Chemicals used	Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
Commercial fertilizer farms, 1987	37 282	75	32	1 124	273	164	277
1982	43 029	127	40	1 406	325	145	279
acres on which used, 1987	5 300 902	6 203	2 740	134 348	23 444	21 481	42 993
1982	5 974 430	7 171	1 717	164 026	22 119	19 721	45 486
Cropland fertilized, except pastureland farms, 1987	36 873	70	31	1 118	272	164	277
1982	42 593	121	39	1 378	317	145	278
acres on which used, 1987	5 257 909	5 513	(D)	133 983	23 324	21 186	42 993
1982	5 928 803	6 719	1 684	163 490	21 485	19 312	46 291
Pastureland and rangeland fertilized farms, 1987	1 771	12	3	30	14	8	-
1982	1 983	8	4	78	36	23	7
acres on which used, 1987	42 993	690	(D)	365	120	295	-
1982	45 627	452	33	536	634	409	195
Lime farms, 1987	6 799	9	5	279	25	42	31
1982	6 756	8	9	338	1	45	5
acres on which used, 1987	301 302	204	151	11 130	715	2 364	492
1982	252 990	160	164	13 417	(D)	2 297	210
tons, 1987	566 902	468	270	21 341	1 140	4 205	485
1982	508 841	516	399	25 025	(D)	4 076	312
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1987	15 082	7	9	634	56	101	94
1982	15 597	23	9	736	53	79	82
acres on which used, 1987	1 532 318	490	49	58 644	4 007	5 717	8 700
1982	1 811 518	(D)	251	80 369	3 990	6 799	10 922
Nematodes in crops farms, 1987	2 132	-	1	168	3	9	14
1982	2 477	-	1	102	7	18	31
acres on which used, 1987	205 371	-	(D)	12 810	1 015	1 317	1 300
1982	275 551	-	(D)	8 689	267	1 269	2 177
Diseases in crops and orchards farms, 1987	5 320	9	6	214	17	85	18
1982	5 399	6	4	198	23	58	49
acres on which used, 1987	336 227	54	(D)	12 482	1 145	5 679	2 144
1982	345 088	6	16	12 054	786	5 124	4 129
Weeds, grass, or brush in crops and pasture farms, 1987	27 595	43	20	820	144	123	206
1982	30 440	38	24	949	133	111	186
acres on which used, 1987	3 800 607	3 068	877	82 271	14 804	12 518	34 376
1982	4 288 784	3 114	822	107 671	10 784	12 160	36 333
Chemicals used for defoliation or for growth control of crops or thinning of fruit farms, 1987	2 204	-	5	86	16	27	13
1982	2 001	-	-	83	10	23	9
acres on which used, 1987	118 970	-	54	2 452	1 264	3 441	778
1982	127 566	-	-	3 841	(D)	1 741	500

Chemicals used	Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
Commercial fertilizer farms, 1987	27	533	860	97	1 175	860	867
1982	35	673	933	135	1 406	888	928
acres on which used, 1987	1 038	69 038	135 253	5 945	102 863	106 905	105 335
1982	1 041	79 202	147 340	6 858	110 697	132 981	149 674
Cropland fertilized, except pastureland farms, 1987	27	526	860	97	1 160	860	862
1982	35	665	933	135	1 395	888	920
acres on which used, 1987	996	68 504	135 253	5 871	102 055	106 455	104 413
1982	987	78 671	147 088	6 793	109 195	132 416	148 731
Pastureland and rangeland fertilized farms, 1987	3	20	-	4	46	35	43
1982	5	29	12	4	76	48	57
acres on which used, 1987	42	534	-	74	808	450	922
1982	54	531	252	65	1 502	565	943
Lime farms, 1987	14	115	29	17	261	183	254
1982	10	110	22	18	363	226	305
acres on which used, 1987	320	6 545	604	236	12 353	9 445	13 663
1982	97	3 919	1 096	587	9 965	10 260	14 665
tons, 1987	537	12 479	457	372	24 127	19 081	26 036
1982	289	8 954	1 452	902	18 434	28 347	28 448
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1987	2	225	294	67	857	266	403
1982	6	252	291	107	984	351	447
acres on which used, 1987	(D)	19 018	33 943	3 776	57 449	35 140	46 843
1982	77	28 180	29 511	4 391	59 509	49 036	66 011
Nematodes in crops farms, 1987	-	27	17	19	80	54	28
1982	2	43	52	30	119	50	51
acres on which used, 1987	-	1 814	1 726	171	1 876	3 930	4 644
1982	(D)	3 436	6 586	900	7 021	8 232	8 884
Diseases in crops and orchards farms, 1987	-	34	122	61	599	16	60
1982	2	30	168	68	673	26	55
acres on which used, 1987	-	2 948	9 974	4 033	28 755	1 840	3 546
1982	(D)	5 373	11 107	3 142	31 872	942	3 838
Weeds, grass, or brush in crops and pasture farms, 1987	4	452	706	77	711	611	667
1982	13	482	708	86	894	682	690
acres on which used, 1987	138	45 331	109 896	4 574	66 337	84 461	74 167
1982	277	51 552	114 093	4 750	74 903	100 949	102 710
Chemicals used for defoliation or for growth control of crops or thinning of fruit farms, 1987	1	3	36	37	205	8	33
1962	-	25	24	29	250	38	32
acres on which used, 1987	(D)	117	1 101	1 758	6 281	359	1 687
1982	-	1 329	1 713	1 367	12 077	1 403	1 542

Table 9. **Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Chemicals used	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
Commercial fertilizer farms, 1987	605	135	97	168	172	1 046	8
1982	789	153	121	231	178	1 191	11
acres on which used, 1987	100 493	9 621	10 018	8 034	14 958	155 781	182
1982	105 654	13 133	6 571	15 526	22 519	175 055	(D)
Cropland fertilized, except pastureland farms, 1987	590	129	97	168	172	1 046	8
1982	758	143	121	225	171	1 190	11
acres on which used, 1987	99 033	9 471	9 548	7 724	14 326	154 871	168
1982	103 117	11 615	5 765	12 847	21 849	173 985	124
Pastureland and rangeland fertilized farms, 1987	61	13	9	16	32	47	3
1982	70	31	22	45	15	48	2
acres on which used, 1987	1 460	150	470	310	632	910	14
1982	2 537	1 518	806	2 679	670	1 070	(D)
Lime farms, 1987	166	6	8	7	34	88	2
1982	211	12	25	27	16	105	4
acres on which used, 1987	10 382	120	350	(D)	935	4 653	(D)
1982	9 630	159	1 066	568	638	5 622	29
tons, 1987	22 380	132	300	(D)	1 988	8 784	(D)
1982	20 463	301	3 347	744	1 062	9 749	(D)
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1987	345	34	30	17	33	334	2
1982	338	29	16	15	44	328	3
acres on which used, 1987	41 650	2 545	1 677	1 508	6 175	40 501	(D)
1982	51 496	4 172	255	261	6 112	37 476	7
Nematodes in crops farms, 1987	54	1	5	7	1	39	-
1982	62	5	5	-	2	53	1
acres on which used, 1987	6 639	(D)	308	84	(D)	4 081	-
1982	11 953	505	100	-	(D)	6 775	(D)
Diseases in crops and orchards farms, 1987	97	9	13	1	2	73	1
1982	88	17	1	6	1	65	1
acres on which used, 1987	5 544	(D)	448	(D)	(D)	1 739	(D)
1982	4 249	1 271	(D)	126	(D)	3 303	(D)
Weeds, grass, or brush in crops and pasture farms, 1987	482	81	54	41	84	860	3
1982	603	81	34	27	118	917	3
acres on which used, 1987	83 320	4 665	3 889	6 932	5 830	121 000	(D)
1982	82 796	4 333	2 332	1 476	12 107	121 386	(D)
Chemicals used for defoliation or for growth control of crops or thinning of fruit farms, 1987	44	7	2	-	1	30	-
1982	40	11	1	-	-	65	1
acres on which used, 1987	2 214	(D)	(D)	-	(D)	1 854	-
1982	1 633	56	(D)	-	-	8 777	(D)

Chemicals used	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
Commercial fertilizer farms, 1987	188	61	941	145	553	298	19
1982	191	71	1 063	126	752	292	32
acres on which used, 1987	16 480	7 726	122 579	10 285	85 500	20 583	434
1982	16 999	5 685	149 547	7 059	110 172	24 458	888
Cropland fertilized, except pastureland farms, 1987	180	59	941	145	545	291	18
1982	184	71	1 057	126	752	292	31
acres on which used, 1987	14 997	7 536	121 323	10 030	85 264	19 453	404
1982	16 043	5 661	148 569	6 999	109 622	24 196	844
Pastureland and rangeland fertilized farms, 1987	30	9	62	5	21	23	3
1982	39	4	60	6	20	14	5
acres on which used, 1987	1 483	190	1 256	255	236	1 130	30
1982	956	24	978	60	550	262	44
Lime farms, 1987	3	11	127	18	69	64	8
1982	16	6	169	17	48	7	10
acres on which used, 1987	141	777	5 257	315	3 716	2 465	64
1982	250	350	6 325	835	4 533	121	62
tons, 1987	205	999	12 131	488	6 312	2 031	123
1982	422	296	16 573	1 385	8 965	141	104
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1987	48	23	364	22	229	54	2
1982	34	17	271	36	235	23	2
acres on which used, 1987	4 209	2 275	32 239	1 822	32 923	4 228	(D)
1982	1 333	1 523	39 896	1 400	35 635	3 251	(D)
Nematodes in crops farms, 1987	12	6	38	-	27	7	-
1982	2	5	40	2	19	6	-
acres on which used, 1987	853	378	3 751	-	4 830	91	-
1982	(D)	266	5 906	(D)	3 427	600	-
Diseases in crops and orchards farms, 1987	26	15	62	1	56	22	3
1982	19	15	15	12	88	10	2
acres on which used, 1987	1 196	1 613	3 746	(D)	4 260	1 720	(D)
1982	652	1 211	2 867	462	4 526	432	(D)
Weeds, grass, or brush in crops and pasture farms, 1987	121	40	692	68	378	144	8
1982	102	44	747	80	508	209	8
acres on which used, 1987	8 519	3 370	88 097	5 099	61 335	8 519	113
1982	10 475	3 461	107 751	4 989	81 978	17 289	(D)
Chemicals used for defoliation or for growth control of crops or thinning of fruit farms, 1987	3	5	45	2	47	-	-
1982	2	2	6	12	24	2	-
acres on which used, 1987	215	625	3 734	(D)	2 543	-	-
1982	(D)	(D)	300	456	1 999	(D)	-

Table 9. **Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Chemicals used	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
Commercial fertilizer farms, 1987	271	890	851	93	1 243	721	841	119
1982	362	1 028	1 023	123	1 458	758	902	184
acres on which used, 1987	28 464	214 509	122 969	4 272	319 940	123 479	141 112	9 502
1982	32 308	200 216	158 629	5 081	336 077	142 494	143 147	20 577
Cropland fertilized, except pastureland farms, 1987	271	890	837	89	1 241	710	833	118
1982	362	1 016	1 016	123	1 440	736	902	184
acres on which used, 1987	(D)	214 224	121 215	3 742	319 160	123 000	139 874	8 369
1982	31 588	199 860	156 452	5 021	335 397	140 951	142 420	18 889
Pastureland and rangeland fertilized farms, 1987	6	12	53	18	27	34	43	9
1982	11	28	27	6	37	51	40	28
acres on which used, 1987	(D)	285	1 754	530	780	479	1 238	1 133
1982	720	356	2 177	60	680	1 543	727	1 688
Lime farms, 1987	36	54	213	35	57	127	238	5
1982	53	125	121	49	21	186	229	9
acres on which used, 1987	3 363	2 606	11 077	1 090	2 359	7 440	10 093	312
1982	1 755	4 045	5 291	970	1 072	9 111	8 666	489
tons, 1987	4 997	4 095	20 038	3 014	4 075	14 877	20 164	477
1982	3 416	6 835	11 045	1 921	1 330	19 299	15 998	656
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1987	206	313	326	22	481	301	294	32
1982	204	234	381	33	458	321	404	58
acres on which used, 1987	13 503	36 294	46 697	428	82 588	34 561	33 069	1 041
1982	15 993	44 103	57 180	827	82 742	48 528	46 981	4 459
Nematodes in crops farms, 1987	34	12	41	3	80	86	60	-
1982	30	30	51	-	67	57	94	24
acres on which used, 1987	1 230	704	6 952	6	9 841	10 804	7 069	-
1982	572	3 220	12 732	-	10 897	6 525	13 174	762
Diseases in crops and orchards farms, 1987	186	49	28	9	49	63	72	7
1982	173	17	32	1	42	61	118	35
acres on which used, 1987	9 499	3 639	1 393	157	6 191	2 216	5 957	14
1982	9 243	2 428	3 148	(D)	5 533	2 808	6 133	687
Weeds, grass, or brush in crops and pasture farms, 1987	204	753	680	40	1 053	545	596	75
1982	224	810	851	35	1 108	608	695	90
acres on which used, 1987	18 416	170 832	93 382	1 016	246 260	82 784	88 613	5 729
1982	18 447	171 322	118 513	902	237 630	103 732	99 587	11 845
Chemicals used for defoliation or for growth control of crops or thinning of fruit farms, 1987	78	30	41	5	27	82	46	-
1982	82	18	22	-	6	38	39	-
acres on which used, 1987	2 493	1 394	1 025	61	1 635	2 659	4 131	-
1982	4 778	2 114	1 563	-	3 887	775	1 735	-

Chemicals used	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
Commercial fertilizer farms, 1987	49	655	710	523	70	969	-	58
1982	48	792	925	609	61	1 097	1	58
acres on which used, 1987	3 686	104 642	95 332	75 516	5 089	114 823	-	2 383
1982	2 979	113 437	125 446	100 960	6 220	122 384	(D)	3 073
Cropland fertilized, except pastureland farms, 1987	48	643	691	516	70	949	-	55
1982	47	792	920	601	59	1 066	-	58
acres on which used, 1987	3 519	103 556	93 814	74 763	5 002	113 817	-	2 152
1982	(D)	113 197	124 105	100 558	6 137	121 967	-	3 073
Pastureland and rangeland fertilized farms, 1987	7	32	56	21	6	51	-	14
1982	3	8	17	22	4	55	1	-
acres on which used, 1987	167	1 086	1 518	755	87	1 006	-	231
1982	(D)	240	1 341	402	83	517	(D)	-
Lime farms, 1987	12	120	128	94	15	347	-	19
1982	16	123	203	125	21	339	-	12
acres on which used, 1987	446	5 436	6 953	5 616	919	12 123	-	402
1982	750	4 165	9 157	6 718	410	8 273	-	216
tons, 1987	459	8 454	10 810	7 992	1 244	24 423	-	832
1982	744	7 958	19 730	14 840	840	17 736	-	608
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1987	6	195	334	339	13	476	-	3
1982	10	216	396	316	13	520	-	5
acres on which used, 1987	661	23 778	34 999	37 759	767	43 011	-	36
1982	1 384	31 072	63 045	40 021	978	49 297	-	86
Nematodes in crops farms, 1987	-	21	26	76	3	68	-	-
1982	2	9	65	109	3	44	-	-
acres on which used, 1987	-	3 670	2 223	(D)	458	5 428	-	-
1982	(D)	2 236	9 536	10 703	(D)	3 358	-	-
Diseases in crops and orchards farms, 1987	3	27	66	110	10	266	-	-
1982	7	54	43	147	7	277	-	-
acres on which used, 1987	217	1 630	2 299	6 258	(D)	16 821	-	-
1982	434	3 843	6 364	4 191	724	18 443	-	-
Weeds, grass, or brush in crops and pasture farms, 1987	16	485	490	402	35	632	-	35
1982	17	584	661	408	33	725	-	38
acres on which used, 1987	1 080	71 973	62 849	56 260	2 787	61 406	-	944
1982	973	73 328	87 592	66 760	3 869	61 193	-	2 197
Chemicals used for defoliation or for growth control of crops or thinning of fruit farms, 1987	2	30	19	41	6	164	-	-
1982	3	23	18	71	3	134	-	1
acres on which used, 1987	(D)	1 466	789	885	284	8 914	-	-
1982	(D)	690	460	3 293	(D)	5 394	-	(D)

Table 9. **Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982**—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text.]

Chemicals used	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
Commercial fertilizer farms, 1987	795	316	1 110	426	18	46	524	201
1982	965	322	1 304	546	16	55	625	185
acres on which used, 1987	109 736	23 486	218 991	60 781	1 246	3 865	46 202	12 131
1982	116 478	28 977	262 481	64 870	917	3 753	58 505	11 620
Cropland fertilized, except pastureland farms, 1987	771	316	1 110	415	16	46	503	201
1982	955	322	1 289	536	16	53	625	185
acres on which used, 1987	108 866	23 165	218 728	60 587	(D)	3 465	45 735	11 711
1982	116 201	26 406	262 291	64 156	(D)	3 608	58 265	11 590
Pastureland and rangeland fertilized farms, 1987	59	10	13	21	2	5	33	7
1982	42	42	26	38	2	8	20	6
acres on which used, 1987	870	321	263	194	(D)	400	467	420
1982	277	2 571	190	714	(D)	145	240	30
Lime farms, 1987	165	36	161	121	4	5	31	58
1982	130	34	149	93	1	2	55	35
acres on which used, 1987	7 477	1 907	7 676	4 502	142	229	1 185	1 299
1982	3 544	828	7 332	2 974	(D)	(D)	3 039	967
tons, 1987	11 631	4 201	14 108	11 089	388	340	1 906	2 618
1982	7 550	2 023	12 637	5 120	(D)	(D)	4 397	1 823
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1987	225	268	407	169	3	5	224	79
1982	273	237	460	180	2	4	257	128
acres on which used, 1987	27 758	16 922	58 216	23 150	(D)	66	12 938	6 424
1982	32 372	16 868	79 172	22 129	(D)	30	14 936	8 956
Nematodes in crops farms, 1987	29	52	78	20	-	1	34	7
1982	19	29	45	32	-	-	39	44
acres on which used, 1987	4 310	1 041	7 983	1 440	-	(D)	1 950	873
1982	1 193	980	6 178	7 048	-	-	1 161	1 699
Diseases in crops and orchards farms, 1987	76	249	59	65	3	2	73	86
1982	57	205	103	50	-	-	124	105
acres on which used, 1987	7 471	14 949	4 338	1 614	40	(D)	1 798	5 491
1982	6 318	13 153	7 937	1 024	-	-	3 172	5 910
Weeds, grass, or brush in crops and pasture farms, 1987	491	278	1 010	283	11	20	372	93
1982	661	192	1 079	343	11	19	417	108
acres on which used, 1987	69 703	17 708	196 498	35 115	512	1 304	31 016	5 097
1982	79 725	12 309	222 553	40 240	648	1 388	42 888	7 012
Chemicals used for defoliation or for growth control of crops or thinning of fruit farms, 1987	18	76	50	27	-	1	15	9
1982	40	64	56	8	-	-	39	22
acres on which used, 1987	983	4 760	3 429	574	-	(D)	179	1 481
1982	2 424	3 534	3 841	707	-	-	1 694	2 347

Chemicals used	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
Commercial fertilizer farms, 1987	29	322	397	276	319	222	1 002	778
1982	49	311	425	325	376	259	1 128	869
acres on which used, 1987	3 177	33 201	32 475	34 580	50 274	38 573	157 520	118 444
1982	2 752	38 831	41 525	36 856	61 111	38 735	170 726	125 820
Cropland fertilized, except pastureland farms, 1987	26	322	384	269	319	221	993	778
1982	45	307	419	316	371	258	1 106	863
acres on which used, 1987	2 793	33 131	32 175	33 024	50 077	37 654	157 446	117 687
1982	2 597	38 751	40 841	35 999	60 996	37 975	170 471	125 607
Pastureland and rangeland fertilized farms, 1987	13	7	19	44	14	24	21	27
1982	8	6	42	36	6	18	44	22
acres on which used, 1987	384	70	300	1 556	197	919	74	757
1982	155	80	684	857	115	760	255	213
Lime farms, 1987	5	79	131	10	5	112	106	232
1982	4	68	172	12	10	75	64	254
acres on which used, 1987	90	2 780	4 172	(D)	46	4 466	7 528	11 798
1982	(D)	2 725	3 831	120	97	2 289	2 522	12 300
tons, 1987	(D)	5 734	7 907	(D)	70	8 988	13 340	17 209
1982	(D)	6 556	8 648	240	167	4 336	3 879	19 463
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1987	11	143	96	26	82	39	352	247
1982	15	154	66	34	85	94	280	289
acres on which used, 1987	815	10 543	4 465	1 296	6 080	4 525	32 458	35 853
1982	618	10 809	8 442	2 466	10 778	6 375	32 206	43 614
Nematodes in crops farms, 1987	1	22	13	-	-	2	39	109
1982	1	20	34	-	-	22	50	107
acres on which used, 1987	(D)	1 015	1 095	-	-	(D)	7 298	12 182
1982	(D)	1 685	4 738	-	-	514	10 617	15 343
Diseases in crops and orchards farms, 1987	8	95	54	8	8	37	106	118
1982	9	106	20	25	5	11	53	98
acres on which used, 1987	451	7 028	1 786	(D)	(D)	629	5 224	11 936
1982	448	7 467	1 947	496	1 253	421	4 155	15 206
Weeds, grass, or brush in crops and pasture farms, 1987	17	261	310	167	228	141	849	649
1982	22	240	248	208	268	160	892	609
acres on which used, 1987	2 398	19 911	21 857	14 808	43 546	13 899	134 830	83 968
1982	1 398	25 386	21 821	21 538	53 037	17 885	152 376	87 598
Chemicals used for defoliation or for growth control of crops or thinning of fruit farms, 1987	5	34	10	1	10	2	52	60
1982	3	38	4	-	2	-	14	51
acres on which used, 1987	345	3 691	556	(D)	995	(D)	4 359	6 793
1982	(D)	3 329	955	-	(D)	-	4 148	6 967

Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Chemicals used	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
Commercial fertilizer farms, 1987	71	346	457	241	563	182	57	250
1982	56	354	499	223	543	172	61	299
acres on which used, 1987	5 633	35 801	47 271	23 649	53 665	24 222	2 870	27 103
1982	7 986	39 171	42 633	19 258	52 160	18 950	1 802	25 473
Cropland fertilized, except pastureland farms, 1987	71	346	456	228	557	182	57	250
1982	56	354	499	215	543	171	61	287
acres on which used, 1987	5 453	(D)	46 993	23 107	53 407	24 032	2 810	26 090
1982	7 946	39 069	42 561	18 847	51 895	18 339	1 802	24 817
Pastureland and rangeland fertilized farms, 1987	5	2	19	20	26	9	3	29
1982	3	3	4	16	8	18	-	22
acres on which used, 1987	180	(D)	278	542	258	190	60	1 013
1982	40	102	72	411	265	611	-	656
Lime farms, 1987	7	81	149	42	228	29	22	80
1982	2	84	82	65	186	5	8	108
acres on which used, 1987	221	2 147	4 152	1 533	6 976	1 588	676	2 637
1982	(D)	2 936	1 423	1 686	5 177	351	148	2 700
tons, 1987	297	3 888	7 948	2 705	15 508	2 903	1 269	5 536
1982	(D)	6 284	2 878	3 924	11 121	650	412	5 387
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1987	13	176	115	94	431	24	15	47
1982	24	118	179	118	423	21	15	37
acres on which used, 1987	621	14 665	10 462	6 418	36 761	1 628	1 202	1 608
1982	1 870	15 180	13 535	7 204	35 810	2 717	1 660	2 693
Nematodes in crops farms, 1987	1	17	5	11	62	6	-	2
1982	3	10	27	14	79	4	-	8
acres on which used, 1987	(D)	1 517	702	3 111	2 018	150	-	(D)
1982	57	(D)	1 622	(D)	2 579	463	-	428
Diseases in crops and orchards farms, 1987	15	83	72	21	265	-	-	17
1982	2	89	62	60	242	2	-	16
acres on which used, 1987	250	5 335	8 248	526	25 641	-	-	337
1982	(D)	5 569	7 300	543	19 952	(D)	-	401
Weeds, grass, or brush in crops and pasture farms, 1987	27	245	336	182	418	95	12	130
1982	28	190	355	170	408	96	7	182
acres on which used, 1987	1 690	28 017	31 350	16 878	34 156	12 969	628	10 684
1982	4 193	26 071	29 320	13 409	31 617	10 228	759	11 101
Chemicals used for defoliation or for growth control of crops or thinning of fruit farms, 1987	1	32	34	9	108	6	2	15
1982	-	25	18	17	61	1	4	2
acres on which used, 1987	(D)	1 744	1 691	26	4 357	42	(D)	196
1982	-	1 309	947	316	4 934	(D)	120	(D)

Chemicals used	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
Commercial fertilizer farms, 1987	52	94	1 048	231	12	1 192	786	703
1982	54	98	1 273	232	16	1 461	927	781
acres on which used, 1987	4 388	5 163	92 334	31 393	240	235 693	86 132	118 998
1982	4 567	5 894	110 348	27 009	564	257 042	120 659	138 505
Cropland fertilized, except pastureland farms, 1987	49	94	1 042	220	10	1 186	779	688
1982	52	98	1 257	225	14	1 461	920	777
acres on which used, 1987	3 858	4 829	91 873	29 633	212	235 575	85 296	118 143
1982	4 517	5 842	108 928	26 189	550	256 952	120 238	138 131
Pastureland and rangeland fertilized farms, 1987	8	14	40	49	3	17	16	59
1982	5	4	105	41	3	8	41	24
acres on which used, 1987	500	334	461	1 760	28	118	836	855
1982	50	52	1 420	819	14	90	421	374
Lime farms, 1987	6	21	255	15	5	92	77	213
1982	6	12	281	19	3	48	40	168
acres on which used, 1987	212	408	8 038	530	63	5 156	3 406	14 125
1982	101	183	6 345	381	24	1 596	1 089	9 792
tons, 1987	412	782	15 145	082	174	7 612	8 189	26 050
1982	244	413	12 431	813	(D)	2 170	1 425	20 239
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1987	5	15	623	93	4	428	194	300
1982	2	16	565	78	1	322	162	362
acres on which used, 1987	(D)	1 061	47 803	10 220	(D)	38 131	13 413	54 202
1982	(D)	327	47 843	9 839	(D)	48 825	21 109	67 502
Nematodes in crops farms, 1987	-	2	92	5	1	14	15	74
1982	1	3	115	4	-	12	14	88
acres on which used, 1987	-	(D)	5 812	1 819	(D)	(D)	745	14 782
1982	(D)	63	7 717	1 564	-	941	820	22 946
Diseases in crops and orchards farms, 1987	1	6	258	24	2	65	51	52
1982	2	9	249	22	2	107	33	36
acres on which used, 1987	(D)	303	11 757	4 454	(D)	5 049	912	7 780
1982	(D)	293	12 131	2 829	(D)	5 918	2 391	4 768
Weeds, grass, or brush in crops and pasture farms, 1987	37	50	761	137	4	1 097	588	553
1982	33	55	857	99	4	1 236	648	635
acres on which used, 1987	1 832	3 029	59 856	12 280	(D)	198 358	69 769	98 923
1982	1 701	3 384	69 560	11 541	436	220 790	102 899	107 926
Chemicals used for defoliation or for growth control of crops or thinning of fruit farms, 1987	1	5	72	18	-	45	8	18
1982	-	4	52	4	1	14	11	20
acres on which used, 1987	(D)	307	2 853	1 861	-	948	113	3 585
1982	-	135	1 893	514	(D)	2 219	2 502	343

Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Chemicals used	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
Commercial fertilizer farms, 1987	1 279	33	885	988	1 022	856	196	94
1982	1 498	38	1 049	1 233	1 136	885	322	109
acres on which used, 1987	273 411	3 080	147 960	238 484	80 298	116 055	10 511	5 886
1982	296 265	2 449	162 617	254 286	98 810	136 583	25 362	6 608
Cropland fertilized, except pastureland farms, 1987	1 268	30	865	974	1 008	839	196	94
1982	1 498	38	1 043	1 233	1 128	871	314	109
acres on which used, 1987	272 334	2 692	147 808	238 231	79 370	115 362	10 506	5 774
1982	295 038	2 196	161 766	254 168	97 751	136 251	25 322	6 608
Pastureland and rangeland fertilized farms, 1987	47	9	11	41	34	38	5	7
1982	51	6	34	16	55	36	8	-
acres on which used, 1987	1 077	388	152	253	928	693	5	112
1982	1 227	253	851	120	1 059	332	40	-
Lime farms, 1987	160	8	104	133	212	177	14	33
1982	122	6	55	87	270	124	4	48
acres on which used, 1987	7 180	267	5 550	4 351	11 610	6 100	497	730
1982	6 233	136	2 558	1 953	11 886	4 045	380	854
tons, 1987	17 385	492	10 754	6 793	24 216	12 672	815	1 381
1982	15 241	458	4 240	3 208	26 817	7 633	426	1 426
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1987	344	10	220	354	747	407	123	31
1982	388	6	322	229	765	362	127	17
acres on which used, 1987	38 679	142	23 945	50 236	52 900	45 199	4 911	967
1982	59 565	(D)	23 774	37 542	56 697	48 961	7 591	1 283
Nematodes in crops farms, 1987	35	2	38	36	110	67	3	-
1982	89	1	59	15	99	54	36	7
acres on which used, 1987	3 926	(D)	4 073	4 472	5 297	3 159	501	-
1982	6 482	(D)	5 692	4 131	9 096	5 084	968	336
Diseases in crops and orchards farms, 1987	24	6	60	62	442	106	61	13
1982	92	7	75	58	426	99	16	8
acres on which used, 1987	1 149	(D)	3 812	7 049	29 049	8 505	327	52
1982	2 872	(D)	6 079	6 594	31 669	4 279	164	571
Weeds, grass, or brush in crops and pasture farms, 1987	986	18	781	838	658	589	135	54
1982	1 125	20	813	977	776	648	180	57
acres on which used, 1987	178 419	946	115 847	191 312	60 037	70 543	10 108	2 891
1982	210 773	1 093	120 219	216 840	70 678	85 061	18 448	4 352
Chemicals used for defoliation or for growth control of crops or thinning of fruit farms, 1987	23	1	17	12	113	52	7	8
1982	66	1	8	26	124	50	2	-
acres on which used, 1987	4 173	(D)	869	804	7 201	2 462	232	43
1982	3 259	(D)	1 680	2 817	6 332	1 507	(D)	-

Table 10. Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
FARMS								
Land in farms	farms, 1987	51 172	229	63	1 634	424	248	332
	1982	58 661	295	76	1 831	442	279	377
	acres, 1987	10 316 861	43 436	16 140	253 646	82 201	55 114	89 470
	1982	10 942 172	53 183	17 700	266 977	80 773	63 157	90 497
Harvested cropland	farms, 1987	46 017	184	59	1 431	388	204	312
	1982	53 738	268	73	1 637	418	241	354
	acres, 1987	6 172 468	14 390	6 209	147 135	34 569	24 329	52 407
	1982	7 255 909	19 700	6 469	185 981	34 934	28 631	58 698
TENURE OF OPERATOR								
Full owners	farms, 1987	31 186	154	32	1 073	259	160	176
	1982	35 489	200	47	1 189	299	189	201
	acres, 1987	3 461 112	20 889	4 933	87 736	34 496	24 259	29 190
	1982	3 989 535	27 114	7 634	92 937	41 551	29 864	29 414
Harvested cropland	farms, 1987	26 650	116	30	887	233	122	160
	1982	31 141	175	45	1 009	278	156	179
	acres, 1987	1 541 497	5 189	1 070	38 200	10 885	7 460	13 370
	1982	2 024 526	7 361	2 074	47 610	13 486	9 344	14 642
Part owners	farms, 1987	16 903	69	31	496	146	76	125
	1982	19 523	79	29	565	130	78	145
	acres, 1987	6 298 444	20 664	11 207	158 151	44 397	29 935	51 368
	1982	6 413 590	21 785	10 066	163 061	35 926	30 658	55 844
Owned land in farms	acres, 1987	3 293 403	10 928	7 491	88 591	25 968	19 301	27 985
	1982	3 417 336	11 782	6 741	90 531	21 206	18 687	35 039
Rented land in farms	acres, 1987	3 005 041	9 736	3 716	69 560	18 429	10 634	23 383
	1982	2 996 254	10 003	3 325	72 530	14 720	11 971	20 805
Harvested cropland	farms, 1987	16 536	62	29	486	136	73	122
	1982	19 160	77	28	555	129	75	144
	acres, 1987	4 238 821	8 716	5 139	103 767	21 933	16 467	32 550
	1982	4 806 741	10 198	4 395	128 783	19 652	17 572	40 019
Tenants	farms, 1987	3 083	6	-	65	19	12	31
	1982	3 649	16	-	77	13	12	31
	acres, 1987	557 305	1 883	-	7 759	3 308	920	8 912
	1982	539 047	4 284	-	10 979	3 296	2 635	5 239
Harvested cropland	farms, 1987	2 831	6	-	58	19	9	30
	1982	3 437	16	-	73	11	10	31
	acres, 1987	392 150	485	-	5 168	1 771	402	6 487
	1982	424 642	2 141	-	9 588	1 796	1 915	4 037
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated	1987	41 967	194	57	1 336	360	197	262
	1982	47 559	226	65	1 509	361	219	302
Not on farm operated	1987	6 332	26	3	200	42	37	47
	1982	6 651	42	7	189	45	40	38
Not reported	1987	2 873	9	3	98	22	14	23
	1982	4 451	27	4	133	36	20	37
Operators by principal occupation:								
Farming	1987	26 112	111	23	791	191	139	201
	1982	30 107	157	45	904	199	148	235
Other	1987	25 060	118	40	843	233	109	131
	1982	28 554	138	31	927	243	131	142
Operators by days of work off farm:								
None	1987	19 384	96	20	602	145	99	149
	1982	21 350	105	35	702	133	114	174
Any	1987	29 155	124	41	960	257	136	163
	1982	33 579	166	36	1 024	287	150	174
1 to 49 days	1987	2 714	18	7	94	24	17	28
	1982	3 362	16	2	90	32	17	20
50 to 99 days	1987	1 344	12	-	35	19	13	9
	1982	1 656	9	6	44	13	10	17
100 to 149 days	1987	1 564	7	3	46	8	6	9
	1982	1 964	6	3	47	17	17	13
150 to 199 days	1987	2 715	12	1	90	28	18	16
	1982	3 416	35	1	107	55	16	11
200 days or more	1987	20 818	75	30	695	178	82	101
	1962	23 181	100	24	736	170	90	113
Not reported	1987	2 633	9	2	72	22	13	20
	1982	3 732	24	5	105	22	15	29
Operators by years on present farm:								
2 years or less	1987	2 061	5	3	76	19	8	12
	1982	2 895	12	2	77	20	14	19
3 or 4 years	1987	2 996	15	7	100	18	13	20
	1982	4 758	29	13	132	34	37	22
5 to 9 years	1987	7 171	37	9	214	71	47	45
	1982	9 195	46	15	295	69	46	40
10 years or more	1987	30 863	132	36	996	257	136	192
	1982	31 647	152	38	1 030	254	136	208
Average years on present farm	1987	20.0	21.1	15.9	19.7	19.7	18.6	20.7
	1982	18.5	19.9	16.2	18.5	18.0	17.7	20.3
Not reported	1987	8 081	40	8	248	59	44	63
	1982	10 166	56	8	297	65	46	88

Table 10. **Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
FARMS								
Land in farms	farms, 1987	57	908	922	149	1 479	1 034	1 166
	1982	74	1 061	1 072	184	1 777	1 170	1 281
	acres, 1987	13 902	168 493	177 185	23 966	179 660	227 375	253 383
	1982	16 827	188 096	180 152	26 120	189 912	243 076	266 680
Harvested cropland	farms, 1987	56	797	883	129	1 381	937	1 057
	1982	73	955	1 020	172	1 682	1 090	1 175
	acres, 1987	4 360	83 610	136 207	7 778	114 106	127 157	132 224
	1982	4 807	110 001	151 933	8 290	130 186	167 060	177 204
TENURE OF OPERATOR								
Full owners	farms, 1987	35	618	434	102	998	664	747
	1982	51	688	525	131	1 199	717	783
	acres, 1987	(D)	74 939	37 697	11 743	63 937	83 101	96 929
	1982	9 539	83 141	47 268	14 353	71 432	91 099	95 798
Harvested cropland	farms, 1987	34	514	399	85	911	585	647
	1982	50	588	483	120	1 111	644	688
	acres, 1987	(D)	27 535	23 840	2 889	32 676	40 334	38 849
	1982	2 220	37 176	33 185	3 685	38 983	54 214	48 206
Part owners	farms, 1987	20	256	383	41	391	292	347
	1982	23	329	435	45	463	369	408
	acres, 1987	7 984	88 517	127 689	12 034	103 864	130 950	144 138
	1982	7 288	99 751	122 375	10 835	108 909	139 853	154 206
Owned land in farms	acres, 1987	4 479	49 006	55 784	7 454	57 847	71 199	78 232
	1982	4 425	53 106	62 264	6 519	58 993	75 135	81 043
Rented land in farms	acres, 1987	3 505	39 511	71 905	4 580	46 017	59 751	65 906
	1982	2 863	46 645	60 111	4 316	49 916	64 718	73 163
Harvested cropland	farms, 1987	20	252	380	39	387	284	343
	1982	23	326	428	44	458	365	403
	acres, 1987	3 125	52 960	102 438	4 745	73 122	78 060	85 302
	1982	2 587	69 082	109 026	4 426	83 264	102 996	115 814
Tenants	farms, 1987	2	34	105	6	90	78	72
	1982	-	44	112	8	115	84	90
	acres, 1987	(D)	5 037	11 799	189	11 859	13 324	12 316
	1982	-	5 204	10 509	432	9 571	12 124	16 676
Harvested cropland	farms, 1987	2	31	104	5	83	68	67
	1982	-	41	109	8	113	81	84
	acres, 1987	(D)	3 115	9 929	144	8 308	8 763	8 073
	1982	-	3 743	9 722	179	7 939	9 850	13 184
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated	1987	53	787	714	120	1 211	820	971
	1982	68	895	807	139	1 431	902	1 048
Not on farm operated	1987	4	87	144	19	189	149	137
	1982	3	88	158	34	213	143	134
Not reported	1987	-	34	64	10	79	65	58
	1982	3	78	107	11	133	125	99
Operators by principal occupation:								
Farming	1987	28	438	513	78	806	500	548
	1982	36	485	594	95	908	588	636
Other	1987	29	470	409	71	673	534	618
	1982	38	576	478	89	869	582	645
Operators by days of work off farm:								
None	1987	21	327	366	49	647	338	415
	1982	29	348	394	53	679	401	428
Any	1987	35	528	502	91	770	640	694
	1982	40	656	597	117	1 006	688	775
1 to 49 days	1987	2	45	50	13	85	62	50
	1982	2	61	73	9	101	58	75
50 to 99 days	1987	1	15	24	6	45	27	31
	1982	2	38	30	10	56	24	41
100 to 149 days	1987	2	31	35	7	36	29	37
	1982	7	31	49	9	64	42	39
150 to 199 days	1987	3	52	54	13	63	70	60
	1982	4	54	50	24	80	68	78
200 days or more	1987	27	385	339	52	541	452	516
	1982	25	472	395	65	705	496	542
Not reported	1987	1	53	54	9	62	56	57
	1982	5	57	81	14	92	81	78
Operators by years on present farm:								
2 years or less	1987	6	38	29	8	58	55	50
	1982	4	59	56	6	73	64	60
3 or 4 years	1987	3	69	44	4	79	75	67
	1982	3	85	66	20	128	88	104
5 to 9 years	1987	10	132	120	21	181	129	125
	1982	19	169	145	35	249	174	209
10 years or more	1987	33	551	535	94	966	610	711
	1982	36	589	599	94	1 035	607	701
Average years on present farm	1987	19.8	19.8	21.3	18.5	22.5	18.7	20.5
	1982	17.8	17.8	20.1	17.2	20.8	17.6	18.2
Not reported	1987	5	118	194	22	195	165	213
	1982	12	159	206	29	292	237	207

Table 10. Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
FARMS								
Land in farms	farms, 1987	639	232	171	338	298	1 333	20
	1982	1 022	256	197	378	317	1 518	18
	acres, 1987	194 464	41 812	42 363	89 168	87 824	256 811	1 450
	1982	196 663	47 049	46 088	99 182	76 351	266 736	1 604
Harvested cropland	farms, 1987	732	196	150	311	260	1 246	16
	1982	913	228	176	352	275	1 425	16
	acres, 1987	108 530	15 537	15 973	41 351	28 462	175 630	(D)
	1982	129 918	19 171	16 208	45 462	33 519	200 167	(D)
TENURE OF OPERATOR								
Full owners	farms, 1987	512	164	109	218	200	837	15
	1982	634	172	120	239	211	965	10
	acres, 1987	69 565	23 156	18 239	41 358	30 862	88 552	(D)
	1982	78 699	22 518	18 848	45 154	36 457	104 572	761
Harvested cropland	farms, 1987	416	131	93	194	168	760	11
	1982	534	145	105	217	180	878	8
	acres, 1987	30 349	(D)	5 017	16 110	9 049	51 538	(D)
	1982	41 220	6 519	(D)	17 233	11 083	69 189	(D)
Part owners	farms, 1987	282	64	56	106	81	414	5
	1982	330	74	73	130	94	450	8
	acres, 1987	117 282	18 387	23 377	44 367	34 720	155 637	(D)
	1982	112 972	23 022	27 035	53 063	35 649	146 703	843
Owned land in farms	acres, 1987	69 596	11 474	14 762	27 537	21 427	82 069	235
	1982	65 207	14 977	17 134	32 092	19 175	75 903	313
Rented land in farms	acres, 1987	47 686	6 913	8 615	16 830	13 293	73 568	(D)
	1982	47 765	8 045	9 901	20 971	16 474	70 800	530
Harvested cropland	farms, 1987	276	64	53	104	78	409	5
	1982	325	74	70	127	86	447	8
	acres, 1987	73 154	9 743	10 687	22 496	18 537	114 709	212
	1982	83 124	11 933	11 806	27 828	20 681	119 235	248
Tenants	farms, 1987	45	4	6	14	17	82	-
	1982	58	10	4	9	12	103	-
	acres, 1987	7 617	269	747	3 443	2 242	12 622	-
	1982	6 992	1 509	205	965	4 245	15 461	-
Harvested cropland	farms, 1987	40	1	4	13	14	77	-
	1982	54	9	1	8	9	100	-
	acres, 1987	5 027	(D)	269	2 745	876	9 383	-
	1982	5 574	719	(D)	401	1 755	11 743	-
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated	1987	703	199	142	280	251	1 089	17
	1982	839	215	165	319	265	1 240	17
Not on farm operated	1987	78	26	17	40	28	161	2
	1982	114	23	18	37	25	176	1
Not reported	1987	58	7	12	18	19	83	1
	1982	69	18	14	22	27	102	-
Operators by principal occupation:								
Farming	1987	456	99	78	166	135	631	9
	1982	512	131	93	198	166	721	7
Other	1987	383	133	93	172	163	702	11
	1982	510	125	104	180	151	797	11
Operators by days of work off farm:								
None	1987	346	74	55	106	110	461	9
	1982	357	89	55	128	112	516	6
Any	1987	444	151	102	222	174	799	11
	1982	611	153	128	232	184	899	11
1 to 49 days	1987	50	7	7	24	12	55	-
	1982	72	13	15	27	18	62	1
50 to 99 days	1987	13	8	5	5	8	28	-
	1982	27	6	7	14	9	29	-
100 to 149 days	1987	21	7	9	16	6	20	2
	1982	27	13	8	21	11	50	2
150 to 199 days	1987	34	25	12	34	25	53	1
	1982	66	21	22	40	27	66	-
200 days or more	1987	326	104	69	143	123	643	8
	1982	419	100	76	130	119	692	8
Not reported	1987	49	7	14	10	14	73	-
	1982	54	14	14	18	21	103	1
Operators by years on present farm:								
2 years or less	1987	49	13	3	8	11	55	1
	1982	53	10	17	19	12	73	1
3 or 4 years	1987	38	9	11	22	30	76	-
	1982	92	25	11	24	30	127	4
5 to 9 years	1987	114	39	23	49	51	160	5
	1982	152	48	29	66	51	195	4
10 years or more	1987	506	134	107	208	155	619	13
	1982	551	123	112	208	164	861	7
Average years on present farm	1987	20.5	17.3	21.7	19.0	19.3	20.5	(D)
	1982	18.3	16.2	18.5	17.4	19.4	19.3	18.1
Not reported	1987	132	37	27	51	51	223	1
	1982	174	50	28	61	60	262	2

Table 10. Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
FARMS								
Land in farms	farms, 1987	271	109	1 219	211	851	411	58
	1982	315	123	1 372	253	990	433	82
	acres, 1987	73 981	28 967	233 517	44 850	145 269	68 285	5 936
	1982	81 335	32 576	244 551	47 865	160 825	74 013	10 889
Harvested cropland	farms, 1987	242	94	1 117	189	744	366	52
	1982	280	114	1 245	222	916	390	71
	acres, 1987	25 500	10 132	139 369	16 124	96 319	30 587	2 233
	1982	26 949	12 180	166 593	16 173	117 923	38 787	(D)
TENURE OF OPERATOR								
Full owners	farms, 1987	178	64	757	136	500	274	45
	1982	205	67	839	171	537	273	56
	acres, 1987	36 705	10 121	78 301	20 952	38 322	31 484	4 424
	1982	42 330	12 127	83 758	23 213	45 929	34 249	5 349
Harvested cropland	farms, 1987	154	51	663	117	407	234	39
	1982	172	60	724	144	472	238	46
	acres, 1987	9 519	2 790	36 489	4 616	19 744	11 537	1 487
	1982	10 611	3 803	44 760	5 046	25 215	14 103	(D)
Part owners	farms, 1987	83	40	407	66	291	125	13
	1982	106	49	442	69	388	149	26
	acres, 1987	36 226	17 752	143 248	22 811	85 602	34 385	1 512
	1982	38 505	18 789	148 999	22 486	104 674	38 445	5 540
Owned land in farms	acres, 1987	25 283	14 156	69 212	12 166	35 076	18 542	948
	1982	28 093	14 193	74 087	13 066	42 835	21 270	3 271
Rented land in farms	acres, 1987	10 943	3 596	74 036	10 645	50 526	15 843	564
	1982	10 412	4 596	74 912	9 420	61 839	17 175	2 269
Harvested cropland	farms, 1987	81	40	400	63	283	122	13
	1982	104	48	435	66	379	142	25
	acres, 1987	15 449	6 867	95 376	11 133	61 874	17 674	746
	1982	15 984	7 728	112 886	10 334	84 095	23 865	2 075
Tenants	farms, 1987	10	5	55	9	60	12	-
	1982	4	7	91	13	65	11	-
	acres, 1987	1 050	1 094	11 968	1 087	21 345	2 416	-
	1982	500	1 660	11 794	2 166	10 222	1 319	-
Harvested cropland	farms, 1987	7	3	54	9	54	10	-
	1982	4	6	86	12	65	10	-
	acres, 1987	532	475	7 504	375	14 701	1 376	-
	1982	354	649	8 947	793	8 613	819	-
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated	1987	237	96	1 026	170	693	340	53
	1982	277	105	1 142	199	813	360	68
Not on farm operated	1987	20	9	134	23	105	44	3
	1982	16	9	128	37	115	51	7
Not reported	1987	14	4	59	18	53	27	2
	1982	22	9	102	17	62	22	7
Operators by principal occupation:								
Farming	1987	142	69	533	110	364	206	23
	1982	172	63	611	109	430	205	27
Other	1987	129	40	686	101	487	205	35
	1982	143	60	761	144	560	228	55
Operators by days of work off farm:								
None	1987	110	50	404	72	318	155	19
	1982	112	50	413	87	317	151	28
Any	1987	147	55	758	117	500	235	35
	1982	183	70	883	147	617	247	52
1 to 49 days	1987	14	8	52	12	28	25	1
	1982	14	9	80	14	39	28	3
50 to 99 days	1987	3	2	39	14	24	9	2
	1982	6	8	35	7	33	17	5
100 to 149 days	1987	6	5	26	7	22	9	3
	1982	19	-	46	19	22	21	4
150 to 199 days	1987	24	3	56	13	43	24	1
	1982	31	9	88	16	61	20	8
200 days or more	1987	100	37	585	71	383	168	28
	1982	113	44	634	91	462	161	32
Not reported	1987	14	4	57	22	33	21	4
	1982	20	3	76	19	56	35	2
Operators by years on present farm:								
2 years or less	1987	6	-	47	5	43	14	-
	1982	7	3	77	15	47	32	4
3 or 4 years	1987	9	8	69	7	57	22	1
	1982	27	11	101	14	81	38	3
5 to 9 years	1987	36	18	181	35	130	75	10
	1982	69	20	229	37	176	58	17
10 years or more	1987	187	68	752	117	480	223	39
	1982	175	70	730	133	513	232	47
Average years on present farm	1987	20.6	22.2	19.7	20.0	19.1	19.4	20.9
	1982	18.7	21.0	18.5	20.5	17.9	19.1	19.0
Not reported	1987	33	15	170	47	141	77	8
	1982	37	19	235	54	173	73	11

Table 10. **Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
FARMS								
Land in farms .... farms, 1987..	447	1 011	1 142	147	1 390	960	1 089	215
1982..	462	1 215	1 354	195	1 655	1 105	1 187	244
acres, 1987..	69 954	282 467	242 353	31 751	424 427	207 726	253 500	47 988
1982..	74 148	288 828	264 630	35 538	434 975	222 742	242 776	57 463
Harvested cropland .... farms, 1987..	400	945	1 051	135	1 287	859	1 012	194
1982..	425	1 142	1 246	182	1 556	976	1 098	228
acres, 1987..	36 179	205 688	143 798	10 017	322 799	130 575	156 360	17 051
1982..	39 072	236 505	186 636	10 021	358 724	160 037	173 200	25 756
TENURE OF OPERATOR								
Full owners .... farms, 1987..	323	539	707	87	606	604	670	138
1982..	327	631	836	134	850	695	753	155
acres, 1987..	37 779	69 287	79 763	13 031	88 506	58 476	86 915	24 970
1982..	40 108	78 192	93 711	19 811	131 632	70 263	91 095	19 891
Harvested cropland .... farms, 1987..	286	478	620	76	515	509	601	121
1982..	293	567	740	121	763	581	672	141
acres, 1987..	16 598	43 317	36 932	(D)	61 004	29 792	43 616	6 075
1982..	15 704	56 439	56 307	4 371	96 916	39 359	53 767	7 162
Part owners .... farms, 1987..	100	389	375	57	614	314	362	69
1982..	121	483	424	57	645	363	376	83
acres, 1987..	29 487	197 524	152 546	18 270	298 514	141 041	157 274	21 977
1982..	30 728	194 173	152 000	15 257	272 644	145 959	143 307	36 643
Owned land in farms .... acres, 1987..	14 692	92 188	73 037	11 177	150 688	78 033	83 244	14 697
1982..	18 683	97 475	72 752	10 305	145 216	77 970	78 750	17 469
Rented land in farms .... acres, 1987..	14 795	105 336	79 509	7 093	147 826	63 008	74 030	7 280
1982..	12 045	96 698	79 248	4 952	127 428	67 989	64 557	19 174
Harvested cropland .... farms, 1987..	95	386	373	57	607	311	356	65
1982..	118	480	418	57	637	353	370	81
acres, 1987..	17 844	150 663	99 929	7 240	233 258	96 832	106 549	10 663
1982..	20 902	166 083	118 049	5 584	234 052	115 453	112 858	18 093
Tenants .... farms, 1987..	24	83	60	3	170	42	57	8
1982..	14	101	94	4	160	47	58	6
acres, 1987..	2 688	15 656	10 044	450	37 407	8 209	9 311	1 041
1982..	3 312	16 463	18 919	470	30 699	6 520	8 374	929
Harvested cropland .... farms, 1987..	19	81	58	2	165	39	55	8
1982..	14	95	88	4	156	42	56	6
acres, 1987..	1 737	11 708	6 937	(D)	28 537	3 951	6 195	313
1982..	2 466	13 983	12 280	66	27 756	5 225	6 575	501
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated .... 1987..	336	812	911	127	1 085	808	919	173
1982..	369	984	1 104	171	1 214	902	1 001	194
Not on farm operated .... 1987..	87	133	155	16	196	90	114	31
1982..	65	127	142	11	229	122	98	29
Not reported .... 1987..	24	66	76	4	109	62	56	11
1982..	28	104	108	13	212	81	88	21
Operators by principal occupation:								
Farming .... 1987..	241	612	560	64	1 053	423	566	104
1982..	252	742	690	91	1 304	490	620	116
Other .... 1987..	206	399	582	83	337	537	523	111
1982..	210	473	664	104	351	615	567	128
Operators by days of work off farm:								
None .... 1987..	146	410	419	47	718	347	392	78
1982..	165	506	440	70	875	339	449	90
Any .... 1987..	280	535	663	93	555	577	635	123
1982..	271	618	801	117	581	695	679	143
1 to 49 days .... 1987..	25	73	78	7	79	42	57	14
1982..	31	79	86	11	118	71	57	13
50 to 99 days .... 1987..	23	27	37	4	42	20	24	4
1982..	15	37	34	6	46	22	29	3
100 to 149 days .... 1987..	26	37	29	8	67	17	33	8
1982..	27	38	33	13	52	26	35	9
150 to 199 days .... 1987..	32	35	46	16	53	48	49	11
1982..	39	47	92	18	67	64	53	19
200 days or more .... 1987..	174	363	473	58	314	450	472	86
1982..	159	417	556	69	298	512	505	99
Not reported .... 1987..	21	66	60	7	117	36	62	14
1982..	26	91	113	8	199	71	59	11
Operators by years on present farm:								
2 years or less .... 1987..	20	36	62	8	61	26	59	6
1982..	13	58	81	8	76	48	58	11
3 or 4 years .... 1987..	26	51	59	16	72	54	56	11
1982..	38	85	119	15	101	108	113	24
5 to 9 years .... 1987..	63	107	143	19	162	140	154	27
1982..	73	167	226	34	189	205	161	41
10 years or more .... 1987..	278	646	706	84	826	599	664	137
1982..	264	689	718	111	894	546	660	124
Average years on present farm .... 1987..	19.8	21.5	19.6	19.1	21.4	20.1	19.6	20.2
1982..	19.5	20.0	16.7	19.1	21.1	17.3	18.3	17.9
Not reported .... 1987..	60	171	172	20	269	141	156	34
1982..	74	216	210	27	395	198	195	44

Table 10. Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
FARMS								
Land in farms ... farms, 1987	95	912	1 103	842	89	1 368	2	111
1982	98	1 016	1 242	961	91	1 524	4	123
acres, 1987	26 714	194 928	218 375	166 310	16 318	203 842	(D)	18 555
1982	29 025	200 872	235 184	177 191	17 685	223 215	390	21 883
Harvested cropland ... farms, 1987	86	831	959	730	81	1 175	2	98
1982	89	947	1 145	867	75	1 360	1	105
acres, 1987	7 251	122 657	112 986	94 047	5 801	121 233	(D)	6 030
1982	8 551	138 700	147 343	119 609	8 143	146 441	(D)	7 529
TENURE OF OPERATOR								
Full owners ... farms, 1987	51	564	674	554	62	859	1	85
1982	58	607	799	634	61	934	2	91
acres, 1987	10 537	69 850	71 839	52 445	9 219	70 703	(D)	11 716
1982	12 375	73 370	87 328	57 603	(D)	84 735	(D)	13 884
Harvested cropland ... farms, 1987	43	494	560	459	54	692	1	74
1982	51	545	712	546	46	793	1	74
acres, 1987	1 796	35 340	26 305	21 108	(D)	31 321	(D)	3 079
1982	3 224	41 301	39 433	32 503	(D)	45 063	(D)	(D,
Part owners ... farms, 1987	41	302	365	243	26	431	-	24
1982	36	364	372	281	28	511	1	30
acres, 1987	14 939	118 392	138 985	107 816	(D)	124 786	-	(D)
1982	15 820	120 756	138 089	101 247	7 685	131 022	(D)	(D)
Owned land in farms ... acres, 1987	10 061	62 419	72 789	54 698	4 345	70 969	-	3 647
1982	10 950	67 496	71 362	46 722	4 684	73 072	(D)	(D)
Rented land in farms ... acres, 1987	4 878	55 973	66 196	53 118	(D)	53 817	-	(D)
1982	4 870	53 260	66 727	54 525	3 001	57 950	(D)	4 029
Harvested cropland ... farms, 1987	40	296	350	232	26	417	-	24
1982	34	359	366	277	27	499	-	29
acres, 1987	5 047	82 959	82 151	67 583	3 203	84 223	-	2 951
1982	5 157	91 706	100 434	79 736	5 036	95 874	-	4 081
Tenants ... farms, 1987	3	46	64	45	1	78	1	2
1982	4	45	71	46	2	79	1	2
acres, 1987	1 236	6 686	7 551	8 049	(D)	8 353	(D)	(D)
1982	830	6 746	9 767	8 341	(D)	7 456	(D)	(D)
Harvested cropland ... farms, 1987	3	41	48	39	1	66	1	-
1982	4	43	67	42	2	68	-	2
acres, 1987	408	4 358	4 530	5 356	(D)	5 689	(D)	-
1982	170	5 691	7 478	7 370	(D)	5 504	-	(D)
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated ... 1987	76	736	920	685	79	1 152	-	97
1982	82	815	1 014	771	83	1 272	2	108
Not on farm operated ... 1987	9	112	133	103	8	146	2	7
1982	10	100	139	118	6	159	2	8
Not reported ... 1987	8	64	50	54	2	70	-	7
1982	6	101	89	72	2	93	-	7
Operators by principal occupation:								
Farming ... 1987	44	482	485	392	36	625	-	47
1982	45	526	529	427	38	706	2	47
Other ... 1987	51	430	618	450	53	743	2	64
1982	53	490	713	534	55	818	2	76
Operators by days of work off farm:								
None ... 1987	30	380	393	301	25	493	-	38
1982	32	373	373	314	29	512	1	44
Any ... 1987	59	491	655	500	58	809	2	66
1982	59	563	802	585	56	934	3	77
1 to 49 days ... 1987	1	52	38	41	3	58	-	6
1982	5	39	79	39	7	81	1	9
50 to 99 days ... 1987	1	25	28	23	5	35	-	2
1982	3	28	36	29	2	43	-	1
100 to 149 days ... 1987	5	33	32	22	1	34	-	3
1982	5	29	48	30	4	52	-	6
150 to 199 days ... 1987	5	42	64	35	8	72	-	5
1982	7	66	76	52	1	81	-	4
200 days or more ... 1987	47	339	493	379	41	610	2	52
1982	39	401	563	435	42	677	2	57
Not reported ... 1987	6	41	55	41	6	66	-	[illegible]
1982	7	80	67	62	6	78	-	[illegible]
Operators by years on present farm:								
2 years or less ... 1987	3	36	46	31	3	54	-	5
1982	5	45	66	50	6	82	-	3
3 or 4 years ... 1987	5	56	73	61	4	96	-	7
1982	9	65	124	93	12	134	2	11
5 to 9 years ... 1987	15	114	171	127	17	242	1	15
1982	14	162	206	171	17	250	-	23
10 years or more ... 1987	53	540	677	501	53	770	-	67
1982	56	516	638	491	45	823	2	66
Average years on present farm ... 1987	19.5	20.0	19.8	18.6	19.7	18.8	(D)	20.2
1982	19.3	18.4	17.9	16.7	18.4	18.0	26.5	19.1
Not reported ... 1987	19	186	136	132	12	204	1	17
1982	14	228	206	156	11	235	-	20

Table 10. **Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
FARMS								
Land in farms .... farms, 1987..	1 228	394	1 387	789	34	80	667	280
1982..	1 361	429	1 619	884	30	96	819	304
acres, 1987..	218 779	65 482	344 801	128 511	10 637	24 583	79 683	46 747
1982..	225 945	72 455	376 296	137 918	10 813	31 120	91 222	49 377
Harvested cropland .... farms, 1987..	1 067	368	1 265	663	31	75	600	258
1982..	1 219	408	1 490	753	29	91	751	279
acres, 1987..	126 110	27 130	254 847	71 499	3 115	9 248	54 241	18 203
1982..	147 303	31 464	310 907	85 977	3 543	12 218	68 048	18 837
TENURE OF OPERATOR								
Full owners .... farms, 1987..	773	303	688	500	15	45	377	206
1982..	819	307	801	553	13	64	441	215
acres, 1987..	70 453	39 482	66 534	47 244	1 935	9 767	21 079	27 908
1982..	74 002	38 728	87 241	52 171	3 546	15 673	24 443	29 049
Harvested cropland .... farms, 1987..	636	278	577	389	14	40	314	185
1982..	689	292	689	439	13	59	380	195
acres, 1987..	28 419	13 222	41 264	19 960	372	2 741	10 508	8 348
1982..	37 211	14 476	59 847	24 141	949	(D)	13 888	9 046
Part owners .... farms, 1987..	382	82	549	242	19	32	228	65
1982..	460	102	637	290	17	31	284	78
acres, 1987..	137 730	24 705	248 915	72 218	8 702	13 879	50 290	18 217
1982..	137 777	30 872	266 335	78 368	7 267	(D)	54 381	18 748
Owned land in farms .... acres, 1987..	69 738	15 491	112 517	33 578	5 204	10 134	22 144	10 163
1982..	71 460	22 692	124 842	35 321	3 928	10 395	24 517	10 824
Rented land in farms .... acres, 1987..	67 992	9 214	136 398	38 640	3 498	3 745	28 146	8 054
1982..	66 317	8 180	141 493	43 047	3 339	(D)	29 864	7 924
Harvested cropland .... farms, 1987..	369	81	544	234	17	32	225	64
1982..	453	98	627	279	16	31	281	73
acres, 1987..	90 538	13 157	190 476	46 643	2 743	5 962	37 269	9 577
1982..	99 919	15 879	231 095	56 495	2 594	7 304	43 436	8 870
Tenants .... farms, 1987..	73	9	150	47	-	3	62	9
1982..	82	20	181	41	-	1	94	11
acres, 1987..	10 596	1 295	29 352	9 049	-	937	8 314	622
1982..	14 166	2 855	22 720	7 379	-	(D)	12 398	1 580
Harvested cropland .... farms, 1987..	62	9	144	40	-	3	61	9
1982..	77	18	174	35	-	1	90	11
acres, 1987..	7 153	751	23 107	4 896	-	545	6 464	278
1982..	10 173	1 109	19 965	5 341	-	(D)	10 724	921
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated .... 1987..	1 039	286	1 094	677	30	70	524	217
1982..	1 153	326	1 284	746	29	77	627	236
Not on farm operated .... 1987..	118	92	221	83	2	5	102	49
1982..	124	85	215	79	1	10	116	51
Not reported .... 1987..	71	16	72	29	2	5	41	14
1982..	84	18	120	59	-	9	76	17
Operators by principal occupation:								
Farming .... 1987..	593	224	719	328	18	41	359	133
1982..	645	240	858	365	18	59	458	144
Other .... 1987..	635	170	668	461	16	39	308	147
1982..	716	189	761	519	12	37	361	160
Operators by days of work off farm:								
None .... 1987..	448	149	483	278	12	30	275	105
1982..	469	156	555	273	10	41	341	111
Any .... 1987..	709	227	842	487	19	46	348	164
1982..	814	258	953	560	19	49	412	180
1 to 49 days .... 1987..	45	41	77	39	4	6	22	20
1982..	54	38	108	61	8	4	41	27
50 to 99 days .... 1987..	23	13	35	15	-	4	12	3
1982..	49	14	40	21	1	2	13	6
100 to 149 days .... 1987..	28	19	60	30	1	1	20	13
1982..	39	22	67	30	-	2	16	9
150 to 199 days .... 1987..	73	27	64	41	2	6	40	22
1982..	81	25	87	47	2	6	36	43
200 days or more .... 1987..	540	127	606	362	12	29	254	106
1982..	591	159	651	401	8	35	306	95
Not reported .... 1987..	71	18	62	24	3	2	44	11
1982..	78	15	111	51	1	6	66	13
Operators by years on present farm:								
2 years or less .... 1987..	58	11	46	35	1	1	23	14
1982..	80	18	60	54	1	2	49	15
3 or 4 years .... 1987..	99	28	78	61	5	10	42	12
1982..	129	32	131	92	1	6	68	25
5 to 9 years .... 1987..	178	62	165	152	3	10	101	39
1982..	212	90	280	167	5	16	107	43
10 years or more .... 1987..	693	247	884	429	23	50	381	177
1982..	716	238	863	430	22	58	431	171
Average years on present farm .... 1987..	18.8	19.0	20.3	18.2	17.7	20.0	20.5	19.9
1982..	17.5	18.4	18.3	18.4	17.8	21.2	18.2	18.5
Not reported .... 1987..	200	46	214	112	2	9	120	38
1982..	224	51	285	135	1	14	164	50

Table 10. Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
FARMS								
Land in farms ... farms, 1987	101	426	639	374	459	304	1 256	980
1982	125	492	684	456	502	343	1 458	1 132
acres, 1987	24 484	76 193	127 078	118 338	94 465	87 314	220 274	238 387
1982	29 645	85 809	136 384	138 157	93 299	93 925	241 736	240 591
Harvested cropland ... farms, 1987	78	391	569	348	399	276	1 148	884
1982	99	448	631	421	434	322	1 354	1 047
acres, 1987	6 026	38 968	59 270	50 186	59 020	49 400	177 632	133 416
1982	6 022	49 740	68 214	54 544	67 264	53 047	206 633	160 632
TENURE OF OPERATOR								
Full owners ... farms, 1987	66	281	425	205	282	166	650	590
1982	83	312	448	255	295	215	705	678
acres, 1987	13 306	34 442	57 330	40 315	30 706	30 094	39 617	78 961
1982	16 098	33 708	63 182	56 819	29 791	41 490	51 059	83 263
Harvested cropland ... farms, 1987	48	249	360	182	225	140	548	507
1982	61	273	396	225	231	194	612	609
acres, 1987	(D)	14 178	18 938	10 068	13 630	12 524	26 750	34 192
1982	1 967	14 618	20 980	13 733	14 124	19 224	39 327	41 600
Part owners ... farms, 1987	30	127	189	157	150	124	479	341
1982	36	154	202	191	180	118	584	390
acres, 1987	10 552	39 758	65 027	76 677	59 442	55 379	161 439	146 965
1982	13 134	50 016	66 783	79 833	60 269	51 132	168 237	147 973
Owned land in farms ... acres, 1987	7 896	24 255	40 019	55 316	26 664	35 777	57 561	83 659
1982	9 609	31 229	37 124	56 242	30 313	33 270	71 628	84 619
Rented land in farms ... acres, 1987	2 656	15 503	25 008	21 361	32 778	19 602	103 878	63 306
1982	3 525	18 787	29 659	23 391	29 956	17 862	96 609	63 354
Harvested cropland ... farms, 1987	26	124	188	155	148	123	472	335
1982	33	150	201	186	179	118	576	380
acres, 1987	3 141	23 245	37 611	39 092	42 164	35 517	133 988	91 396
1982	3 971	33 607	43 010	39 789	50 329	33 006	147 928	111 484
Tenants ... farms, 1987	5	18	25	12	27	14	129	49
1982	6	26	34	12	27	10	169	64
acres, 1987	624	1 993	4 721	1 346	4 317	1 841	19 218	12 461
1982	413	2 085	6 419	1 705	3 239	1 303	22 440	9 355
Harvested cropland ... farms, 1987	2	18	21	11	26	13	128	42
1982	5	25	34	10	24	10	166	58
acres, 1987	(D)	1 545	2 723	1 028	3 226	1 350	16 894	7 828
1982	84	1 515	4 224	1 022	2 811	817	21 376	7 546
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated ... 1987	83	355	545	337	362	251	963	802
1982	107	407	582	396	410	295	1 154	916
Not on farm operated ... 1987	15	53	57	20	58	37	209	113
1982	9	56	59	30	52	29	205	118
Not reported ... 1987	3	18	37	17	39	16	66	65
1982	9	29	43	32	40	19	99	98
Operators by principal occupation:								
Farming ... 1987	33	210	338	230	177	205	563	550
1982	40	255	320	265	212	250	721	638
Other ... 1987	68	216	301	144	282	90	695	430
1982	65	237	364	193	290	93	737	494
Operators by days of work off farm:								
None ... 1987	29	158	249	164	148	164	416	410
1982	38	180	248	198	146	166	478	475
Any ... 1987	69	253	350	181	297	119	787	517
1982	64	283	402	229	327	148	869	577
1 to 49 days ... 1987	5	28	37	19	22	19	61	62
1982	5	29	36	23	29	36	82	76
50 to 99 days ... 1987	2	20	9	2	12	6	44	23
1982	3	29	17	15	31	6	38	23
100 to 149 days ... 1987	2	21	17	16	14	12	40	33
1982	9	16	26	19	11	10	42	24
150 to 199 days ... 1987	12	34	35	25	29	16	68	40
1982	8	30	50	38	33	12	80	49
200 days or more ... 1987	48	150	252	119	220	66	574	359
1982	59	179	273	134	223	84	647	405
Not reported ... 1987	3	17	41	29	14	21	55	53
1982	3	29	34	31	27	27	91	80
Operators by years on present farm:								
2 years or less ... 1987	2	20	18	9	15	10	53	42
1982	6	21	32	19	19	13	57	81
3 or 4 years ... 1987	9	18	29	18	27	13	69	78
1982	10	42	65	25	44	27	117	84
5 to 9 years ... 1987	22	61	117	56	58	33	178	130
1982	21	93	113	74	93	65	228	161
10 years or more ... 1987	54	262	363	230	263	190	746	586
1982	67	254	351	270	264	194	793	595
Average years on present farm ... 1987	15.4	20.7	20.0	21.0	18.7	21.0	20.5	20.4
1982	18.9	18.0	17.5	19.6	16.9	19.3	19.1	18.5
Not reported ... 1987	14	65	112	61	96	58	212	144
1982	22	82	123	70	82	44	263	211

Table 10. Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
FARMS									
Land in farms	farms, 1987	108	460	687	596	686	288	117	503
	1982	106	481	784	688	735	308	145	549
	acres, 1987	24 040	82 224	115 937	60 358	133 115	78 200	30 507	111 662
	1982	24 401	85 256	128 523	69 053	130 279	67 380	38 665	117 686
Harvested cropland	farms, 1987	103	391	626	408	637	264	111	441
	1982	100	425	736	510	699	279	139	504
	acres, 1987	9 482	44 267	60 726	32 533	61 720	39 659	11 950	51 682
	1982	10 970	50 494	69 862	36 995	63 361	35 146	11 399	53 035
TENURE OF OPERATOR									
Full owners	farms, 1987	69	326	428	415	477	170	71	305
	1982	66	333	486	466	534	191	96	351
	acres, 1987	(D)	39 812	45 623	16 875	68 664	29 661	(D)	46 211
	1982	(D)	43 281	58 895	27 703	70 419	31 492	19 365	54 238
Harvested cropland	farms, 1987	65	263	379	250	437	150	65	253
	1982	61	283	445	315	507	168	90	312
	acres, 1987	(D)	14 344	17 428	4 849	26 569	8 722	(D)	14 874
	1982	(D)	19 968	22 224	8 528	28 794	11 992	4 113	18 105
Part owners	farms, 1987	37	118	236	143	182	106	45	182
	1982	38	131	264	172	174	103	46	185
	acres, 1987	13 526	37 159	66 905	33 183	56 820	41 775	20 690	63 363
	1982	13 102	38 966	66 029	31 396	52 426	35 177	18 210	61 564
Owned land in farms	acres, 1987	8 384	21 686	39 637	10 430	39 745	25 923	13 161	37 688
	1982	7 600	24 057	39 957	9 447	36 524	19 622	11 180	36 630
Rented land in farms	acres, 1987	5 142	15 473	27 268	22 753	17 075	15 852	7 529	25 675
	1982	5 502	14 909	26 072	21 949	15 902	15 555	7 030	24 934
Harvested cropland	farms, 1987	37	113	229	132	175	104	45	173
	1982	37	125	260	158	168	100	46	182
	acres, 1987	6 764	25 762	41 981	20 921	30 165	25 936	8 341	35 836
	1982	7 657	27 910	45 383	21 885	30 764	22 727	6 696	33 962
Tenants	farms, 1987	2	16	23	38	27	12	1	16
	1982	2	17	34	50	27	14	3	13
	acres, 1987	(D)	5 253	3 409	10 300	7 631	6 764	(D)	2 088
	1982	(D)	3 009	3 599	9 954	7 434	711	1 090	1 884
Harvested cropland	farms, 1987	1	15	18	26	25	10	1	15
	1982	2	17	31	37	24	11	3	10
	acres, 1987	(D)	4 161	1 317	6 763	4 986	5 001	(D)	972
	1982	(D)	2 616	2 255	6 582	3 803	427	590	968
OPERATOR CHARACTERISTICS									
Operators by place of residence:									
On farm operated	1987	94	365	578	490	550	241	102	428
	1982	89	376	625	566	595	248	126	468
Not on farm operated	1987	9	58	88	77	101	31	6	58
	1982	12	70	100	85	96	31	8	42
Not reported	1987	5	37	21	29	35	16	9	17
	1982	5	35	59	37	44	29	11	39
Operators by principal occupation:									
Farming	1987	54	211	344	224	352	163	68	270
	1982	57	238	373	228	373	175	64	278
Other	1987	54	249	343	372	334	125	49	233
	1982	49	243	411	460	362	133	81	271
Operators by days of work off farm:									
None	1987	44	163	260	187	225	120	50	199
	1982	41	170	271	213	250	129	48	209
Any	1987	57	275	399	384	420	156	62	271
	1982	61	288	473	453	446	151	90	307
1 to 49 days	1987	6	17	30	24	50	18	5	32
	1982	11	22	45	33	52	19	17	32
50 to 99 days	1987	4	8	24	16	29	7	2	9
	1982	1	10	23	16	30	9	4	14
100 to 149 days	1987	2	18	18	15	30	9	3	14
	1982	6	14	20	18	36	7	7	20
150 to 199 days	1987	6	28	42	47	46	16	11	35
	1982	4	35	53	38	61	17	14	30
200 days or more	1987	39	204	285	282	265	106	41	181
	1982	39	207	332	348	267	99	48	211
Not reported	1987	7	22	28	25	41	12	5	33
	1982	4	23	40	22	39	28	7	33
Operators by years on present farm:									
2 years or less	1987	3	16	29	18	26	12	6	13
	1982	3	19	49	56	16	25	10	21
3 or 4 years	1987	3	25	39	51	40	15	5	32
	1982	12	50	55	88	49	23	14	46
5 to 9 years	1987	18	69	122	125	79	50	18	62
	1982	15	76	139	134	131	45	19	83
10 years or more	1987	67	260	416	317	425	154	75	316
	1982	59	267	408	306	431	150	84	305
Average years on present farm	1987	21.1	19.0	18.9	16.4	19.0	20.8	20.0	20.5
	1982	20.5	17.5	17.6	13.7	18.3	18.8	18.2	20.3
Not reported	1987	17	90	81	85	116	57	13	80
	1982	17	69	133	104	108	65	18	94

Table 10. Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
FARMS									
Land in farms	farms, 1987	84	133	1 471	293	31	1 424	1 092	880
	1982	86	142	1 573	335	37	1 702	1 302	1 033
	acres, 1987	17 167	39 788	177 894	81 681	4 159	308 269	177 068	213 857
	1982	16 856	41 510	183 159	88 025	5 391	322 729	205 706	220 737
Harvested cropland	farms, 1987	71	121	1 305	269	22	1 332	984	805
	1982	78	130	1 414	302	28	1 614	1 178	936
	acres, 1987	6 250	12 121	112 721	37 031	1 396	246 217	107 002	136 100
	1982	6 723	12 153	123 172	38 011	(D)	273 534	143 393	161 056
TENURE OF OPERATOR									
Full owners	farms, 1987	52	92	945	161	20	767	645	532
	1982	57	93	1 017	191	28	934	723	624
	acres, 1987	8 406	21 640	69 730	30 167	2 225	69 982	59 212	74 190
	1982	8 328	18 434	71 164	36 784	4 041	94 665	62 670	79 980
Harvested cropland	farms, 1987	40	80	806	146	14	682	549	465
	1982	49	82	875	162	19	854	623	533
	acres, 1987	2 299	5 006	35 759	8 505	(D)	47 817	25 997	40 462
	1982	(D)	4 907	37 665	10 644	(D)	70 306	33 154	48 185
Part owners	farms, 1987	32	35	461	120	8	529	395	290
	1982	27	40	479	120	9	623	491	339
	acres, 1987	8 761	11 975	103 847	49 584	1 354	221 769	110 279	126 669
	1982	(D)	17 647	104 513	48 581	1 350	207 692	129 520	129 231
Owned land in farms	acres, 1987	4 821	7 532	60 450	27 784	765	94 419	48 135	64 842
	1982	4 906	11 422	63 512	28 377	725	98 426	52 577	69 874
Rented land in farms	acres, 1987	3 940	4 443	43 397	21 800	589	127 350	62 144	61 827
	1982	(D)	6 225	41 001	20 204	625	109 266	76 943	59 357
Harvested cropland	farms, 1987	31	35	444	114	6	526	387	284
	1982	27	40	466	116	9	618	474	336
	acres, 1987	3 951	5 636	74 074	27 568	580	183 975	76 114	85 591
	1982	4 211	6 570	79 479	25 813	638	184 161	99 615	102 854
Tenants	farms, 1987	-	6	65	12	3	128	52	58
	1982	2	9	77	24	-	145	88	70
	acres, 1987	-	6 173	4 317	1 930	580	16 518	7 577	12 998
	1982	(D)	5 429	7 482	2 660	-	20 372	13 516	11 526
Harvested cropland	farms, 1987	-	6	55	9	2	124	48	56
	1982	2	8	73	24	-	142	81	67
	acres, 1987	-	1 479	2 888	958	(D)	14 425	4 891	10 047
	1982	(D)	676	6 028	1 554	-	19 067	10 624	10 017
OPERATOR CHARACTERISTICS									
Operators by place of residence:									
On farm operated	1987	75	98	1 180	233	28	1 126	943	716
	1982	71	109	1 284	266	26	1 369	1 049	827
Not on farm operated	1987	4	25	197	42	2	214	106	108
	1982	6	17	174	34	5	221	154	117
Not reported	1987	5	10	94	18	1	84	43	56
	1982	9	16	115	35	6	112	99	89
Operators by principal occupation:									
Farming	1987	60	67	742	159	8	755	490	475
	1982	58	73	781	188	13	893	615	542
Other	1987	24	66	729	134	23	669	602	405
	1982	28	69	792	147	24	809	687	491
Operators by days of work off farm:									
None	1987	30	39	555	132	6	552	379	313
	1982	30	48	565	140	10	632	426	359
Any	1987	53	84	852	145	25	811	673	507
	1982	43	83	913	167	25	966	803	622
1 to 49 days	1987	15	6	78	11	3	80	41	65
	1982	11	7	63	20	3	99	64	81
50 to 99 days	1987	3	1	38	4	1	43	23	23
	1982	2	3	37	11	1	56	37	27
100 to 149 days	1987	7	4	39	13	3	44	36	11
	1982	5	8	52	14	1	40	49	28
150 to 199 days	1987	5	8	74	18	3	55	61	46
	1982	4	10	87	28	2	70	80	76
200 days or more	1987	23	65	623	99	15	589	512	362
	1982	21	55	674	94	18	701	573	410
Not reported	1987	1	10	64	16	-	61	40	60
	1982	13	11	95	28	2	104	73	52
Operators by years on present farm:									
2 years or less	1987	3	4	85	10	2	59	39	39
	1982	5	5	80	12	-	96	62	50
3 or 4 years	1987	5	4	87	12	5	71	68	44
	1982	7	8	162	34	2	95	111	68
5 to 9 years	1987	12	15	231	35	3	178	149	106
	1982	20	13	256	38	8	231	230	185
10 years or more	1987	47	83	846	182	17	891	661	546
	1982	37	83	836	179	18	949	662	566
Average years on present farm	1987	18.3	23.3	18.1	21.2	15.2	21.4	20.0	19.7
	1982	15.5	20.8	16.7	21.2	15.6	20.1	17.7	16.9
Not reported	1987	17	27	222	54	4	225	175	145
	1982	17	33	239	72	9	331	237	164

Table 10. **Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
FARMS								
Land in farms farms, 1987	1 559	52	1 160	1 207	1 278	1 222	334	178
1982	1 846	56	1 386	1 483	1 464	1 347	439	229
acres, 1987	431 199	(D)	240 357	328 705	190 251	204 272	22 196	31 103
1982	444 294	14 494	244 318	343 675	197 055	223 673	37 326	39 867
Harvested cropland farms, 1987	1 440	43	1 078	1 110	1 187	1 063	259	151
1982	1 751	53	1 316	1 394	1 376	1 201	375	201
acres, 1987	303 733	5 499	165 476	243 649	103 657	131 246	14 654	12 263
1982	345 800	5 213	182 595	281 916	120 184	161 359	27 085	17 301
TENURE OF OPERATOR								
Full owners farms, 1987	820	35	675	611	924	735	224	130
1982	984	34	798	745	1 040	789	256	164
acres, 1987	114 351	(D)	70 933	62 013	80 023	62 253	6 913	17 816
1982	142 043	(D)	83 539	85 471	87 956	68 352	12 734	21 096
Harvested cropland farms, 1987	718	27	600	525	847	586	161	106
1982	903	31	741	668	962	658	207	139
acres, 1987	70 683	(D)	37 559	35 274	32 522	29 547	2 718	(D)
1982	98 901	(D)	55 331	56 934	41 550	38 280	6 245	6 360
Part owners farms, 1987	621	16	412	482	304	395	94	46
1982	722	21	474	620	369	465	138	58
acres, 1987	292 578	9 248	158 011	227 563	100 988	126 395	11 184	(D)
1982	282 267	8 826	146 319	237 869	104 133	138 377	18 211	18 103
Owned land in farms acres, 1987	155 379	5 863	79 015	104 346	59 100	59 360	3 283	8 107
1982	156 330	6 178	77 984	118 629	63 476	63 547	4 421	10 235
Rented land in farms acres, 1987	137 199	3 385	78 996	123 217	41 888	67 035	7 901	(D)
1982	125 937	2 648	68 335	119 240	40 657	74 830	13 790	7 868
Harvested cropland farms, 1987	615	15	411	473	292	390	85	44
1982	715	21	470	611	365	455	129	55
acres, 1987	214 699	3 834	119 265	175 863	65 418	90 828	8 702	6 422
1982	230 824	3 822	115 195	206 390	74 695	108 851	14 765	10 422
Tenants farms, 1987	118	1	73	114	50	92	16	2
1982	140	1	114	118	55	93	45	7
acres, 1987	24 270	(D)	11 413	39 129	9 240	15 624	4 099	(D)
1982	19 984	(D)	14 460	20 335	4 966	16 944	6 381	668
Harvested cropland farms, 1987	107	1	67	112	48	87	13	1
1982	133	1	105	115	49	88	39	7
acres, 1987	18 351	(D)	8 652	32 512	5 717	10 871	3 234	(D)
1982	16 075	(D)	12 069	18 592	3 939	14 228	6 075	519
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated 1987	1 304	46	956	994	1 016	1 028	266	157
1982	1 459	48	1 142	1 196	1 179	1 114	310	190
Not on farm operated 1987	176	3	127	147	198	144	49	12
1982	213	4	148	168	194	149	90	18
Not reported 1987	79	3	75	66	64	50	19	9
1982	174	4	96	119	91	84	39	21
Operators by principal occupation:								
Farming 1987	1 086	24	584	674	631	570	166	92
1982	1 297	26	697	891	733	628	202	98
Other 1987	473	28	576	533	647	652	168	86
1982	549	30	689	592	731	719	237	131
Operators by days of work off farm:								
None 1987	748	19	425	511	474	453	146	59
1982	919	21	507	641	499	457	163	85
Any 1987	689	33	667	648	748	719	163	103
1982	775	32	795	726	872	821	233	133
1 to 49 days 1987	85	1	50	81	73	52	7	13
1982	125	1	64	81	78	66	15	19
50 to 99 days 1987	55	1	32	28	33	28	9	3
1982	42	1	35	35	58	40	11	8
100 to 149 days 1987	39	3	27	31	47	38	7	9
1982	65	3	52	41	46	57	13	6
150 to 199 days 1987	70	11	53	41	73	50	18	13
1982	71	4	85	78	82	86	16	14
200 days or more 1987	440	17	505	467	522	551	122	65
1982	472	23	559	491	608	572	178	86
Not reported 1987	122	-	68	48	56	50	25	16
1982	152	3	84	116	93	69	43	11
Operators by years on present farm:								
2 years or less 1987	55	2	43	30	52	58	16	5
1982	91	4	58	76	71	57	38	17
3 or 4 years 1987	83	2	49	55	90	81	15	7
1982	132	3	122	89	121	112	40	15
5 to 9 years 1987	184	10	140	134	206	179	53	24
1982	215	13	194	180	263	234	79	25
10 years or more 1987	1 000	31	731	768	765	740	178	111
1982	1 032	29	776	875	804	703	191	126
Average years on present farm 1987	22.5	18.0	21.8	22.2	18.6	19.4	19.0	21.0
1982	20.2	17.3	19.4	20.3	17.7	18.1	16.5	20.0
Not reported 1987	237	7	197	220	165	164	72	31
1982	376	7	236	263	205	241	91	46

Table 10. **Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
OPERATOR CHARACTERISTICS—Con.								
Operators by age group:								
Under 25 years	1987	829	3	-	24	3	4	7
	1982	1 630	4	1	45	11	3	16
25 to 34 years	1987	6 206	32	8	227	60	30	46
	1982	7 874	34	13	272	59	34	46
35 to 44 years	1987	11 098	29	24	374	81	58	64
	1982	13 278	56	18	428	88	66	61
45 to 54 years	1987	11 934	44	8	367	104	48	77
	1982	13 422	62	9	410	105	64	83
55 to 64 years	1987	11 593	61	12	341	91	55	73
	1982	13 356	54	22	374	100	66	88
55 to 59 years	1987	5 944	28	5	174	47	33	34
60 to 64 years	1987	5 649	33	7	167	44	22	39
65 years and over	1987	9 512	60	11	301	85	53	65
	1982	9 101	85	13	302	79	46	63
65 to 69 years	1987	4 355	19	6	135	38	23	27
70 years and over	1987	5 157	41	5	166	47	30	38
Average age	1987	50.9	53.9	48.7	50.1	50.9	50.8	50.8
	1982	49.5	52.8	49.7	49.3	50.1	50.4	49.8
Operators by sex:								
Male	farms, 1987	48 456	213	59	1 549	396	235	317
	1982	56 194	280	67	1 768	425	266	352
	acres, 1987	10 026 658	41 044	15 465	246 557	78 267	53 349	86 254
	1982	10 687 623	50 780	16 392	261 624	77 211	61 896	87 128
Female	farms, 1987	2 714	16	4	85	28	13	15
	1982	2 467	15	9	63	17	13	25
	acres, 1987	290 203	2 392	675	7 089	3 934	1 765	3 216
	1982	254 549	2 423	1 308	5 353	3 562	1 261	3 369
TYPE OF ORGANIZATION								
Individual or family (sole proprietorship)	farms, 1987	45 166	214	58	1 429	394	211	300
	1982	52 022	271	65	1 610	413	239	341
	acres, 1987	7 848 652	40 034	13 272	189 002	74 073	35 208	74 458
	1982	8 462 560	46 213	(D)	197 877	73 795	41 922	69 621
Partnership	farms, 1987	4 662	13	2	166	28	31	27
	1982	5 495	23	7	181	26	33	34
	acres, 1987	1 851 919	(D)	(D)	50 999	(D)	14 956	(D)
	1982	1 899 339	(D)	2 383	55 578	6 730	16 467	(D)
Corporation:								
Family held	farms, 1987	1 056	1	2	32	2	6	2
	1982	851	1	3	28	1	6	2
	acres, 1987	518 500	(D)	(D)	11 714	(D)	4 950	(D)
	1982	461 652	(D)	480	10 612	(D)	(D)	(D)
Other than family held	farms, 1987	111	-	-	4	-	-	1
	1982	96	-	-	5	-	-	-
	acres, 1987	39 206	-	-	1 638	-	-	(D)
	1982	37 647	-	-	1 925	-	-	-
Other—cooperative, estate or trust, institutional, etc.	farms, 1987	177	1	1	3	-	-	2
	1982	197	-	1	7	2	1	-
	acres, 1987	58 584	(D)	(D)	293	-	-	(D)
	1982	60 974	-	(D)	985	(D)	(D)	-

Table 10. Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
OPERATOR CHARACTERISTICS—Con.							
Operators by age group:							
Under 25 years 1987	1	11	40	1	18	29	9
1982	-	24	48	3	47	47	45
25 to 34 years 1987	5	86	133	15	141	140	135
1982	12	127	159	22	174	174	169
35 to 44 years 1987	17	219	199	37	265	227	219
1982	17	255	229	36	324	289	277
45 to 54 years 1987	13	211	186	37	295	240	293
1982	9	270	231	42	350	244	336
55 to 64 years 1987	5	214	239	29	358	228	287
1982	17	231	265	48	501	256	255
55 to 59 years 1987	3	127	120	16	141	113	165
60 to 64 years 1987	2	87	119	13	217	115	122
65 years and over 1987	16	167	125	30	402	170	223
1982	19	154	140	33	381	160	199
65 to 69 years 1987	5	75	58	13	179	89	100
70 years and over 1987	11	92	67	17	223	81	123
Average age 1987	51.2	51.4	48.9	51.5	54.1	49.6	52.0
1982	52.0	49.5	48.3	50.8	52.6	48.2	49.2
Operators by sex:							
Male farms, 1987	53	857	890	137	1 377	997	1 106
1982	70	1 018	1 034	173	1 683	1 131	1 234
acres, 1987	13 323	164 755	172 471	23 249	174 134	222 289	244 850
1982	15 847	183 758	177 179	25 386	185 217	238 928	262 551
Female farms, 1987	4	51	32	12	102	37	60
1982	4	43	38	11	94	39	47
acres, 1987	579	3 738	4 714	717	5 526	5 086	8 533
1982	960	4 338	2 973	734	4 695	4 148	4 129
TYPE OF ORGANIZATION							
Individual or family (sole proprietorship) farms, 1987	54	832	819	135	1 298	937	1 048
1982	71	964	955	163	1 600	1 033	1 142
acres, 1987	12 314	139 148	136 551	19 054	132 429	185 863	198 441
1982	15 490	155 544	143 331	20 111	152 472	192 744	216 415
Partnership farms, 1987	3	70	79	10	139	86	88
1982	2	84	104	19	145	127	114
acres, 1987	1 588	(D)	(D)	(D)	37 687	38 217	42 649
1982	(D)	29 594	30 651	(D)	27 355	46 086	37 577
Corporation:							
Family held farms, 1987	-	4	23	3	27	4	25
1982	1	10	11	2	22	4	14
acres, 1987	-	(D)	10 439	1 688	6 779	2 259	12 035
1982	(D)	2 796	(D)	(D)	(D)	3 300	10 947
Other than family held farms, 1987	-	1	-	-	6	3	-
1982	-	-	-	-	1	1	4
acres, 1987	-	(D)	-	-	281	219	-
1982	-	-	-	-	(D)	(D)	804
Other—cooperative, estate or trust, institutional, etc. farms, 1987	-	1	1	1	9	4	5
1982	-	3	2	-	9	5	7
acres, 1987	-	(D)	(D)	(D)	2 484	817	258
1982	-	162	(D)	-	2 293	(D)	937

Table 10. **Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
OPERATOR CHARACTERISTICS—Con.							
Operators by age group:							
Under 25 years 1987	12	5	-	2	1	20	-
1982	20	7	-	5	8	52	-
25 to 34 years 1987	118	27	16	37	46	169	1
1982	176	30	25	39	31	210	1
35 to 44 years 1987	176	44	39	70	59	322	4
1982	220	63	44	97	77	361	3
45 to 54 years 1987	185	59	42	94	63	308	3
1982	201	59	45	105	76	366	6
55 to 64 years 1987	169	55	33	78	67	305	5
1982	244	50	49	76	62	335	3
55 to 59 years 1987	82	37	19	52	31	169	3
60 to 64 years 1987	87	18	14	26	36	136	2
65 years and over 1987	179	42	41	57	62	209	7
1982	161	47	34	56	63	194	5
65 to 69 years 1987	74	21	19	23	22	100	4
70 years and over 1987	105	21	22	34	40	109	3
Average age 1987	51.1	50.6	52.0	51.1	51.5	49.9	(D)
1982	49.2	49.9	51.3	49.7	50.5	48.6	54.0
Operators by sex:							
Male .... farms, 1987	796	219	160	327	278	1 297	15
1982	983	243	190	365	297	1 484	18
acres, 1987	189 919	39 704	41 099	87 933	65 959	253 650	(D)
1982	194 621	45 206	45 410	96 869	73 541	262 820	1 604
Female .... farms, 1987	43	13	11	11	20	36	2
1982	39	13	7	13	20	34	-
acres, 1987	4 545	2 108	1 264	1 235	1 865	3 161	(D)
1982	4 042	1 841	678	2 313	2 810	3 916	-
TYPE OF ORGANIZATION							
Individual or family (sole proprietorship) .... farms, 1987	755	207	150	311	272	1 162	20
1982	903	235	173	347	273	1 349	18
acres, 1987	149 810	37 032	33 115	76 844	47 066	183 274	1 450
1982	147 943	39 896	34 161	84 926	53 159	209 376	1 604
Partnership .... farms, 1987	71	23	14	24	20	148	-
1982	96	18	16	27	34	152	-
acres, 1987	36 239	(D)	8 388	11 594	11 288	61 302	-
1982	39 920	5 545	9 946	12 576	14 932	46 551	-
Corporation:							
Family held .... farms, 1987	11	2	7	1	6	20	-
1982	17	3	8	1	10	15	-
acres, 1987	(D)	(D)	860	(D)	9 470	11 668	-
1982	9 839	1 608	1 981	(D)	8 260	(D)	-
Other than family held .... farms, 1987	2	-	-	1	-	-	-
1982	2	-	-	2	-	-	-
acres, 1987	(D)	-	-	(D)	-	-	-
1982	(D)	-	-	(D)	-	-	-
Other—cooperative, estate or trust, institutional, etc. .... farms, 1987	-	-	-	1	-	3	-
1982	4	-	-	1	-	2	-
acres, 1987	-	-	-	(D)	-	567	-
1982	(D)	-	-	(D)	-	(D)	-

Table 10. **Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
OPERATOR CHARACTERISTICS—Con.								
Operators by age group:								
Under 25 years	1987	2	-	18	2	6	9	-
	1982	-	2	41	1	15	9	1
25 to 34 years	1987	24	11	138	16	98	37	8
	1982	47	16	192	39	121	50	9
35 to 44 years	1987	60	28	311	57	170	91	11
	1982	64	28	316	50	237	103	15
45 to 54 years	1987	69	18	288	44	204	88	13
	1982	79	25	350	44	212	91	17
55 to 64 years	1987	65	25	259	42	195	94	9
	1982	76	27	278	64	234	89	19
55 to 59 years	1987	36	17	141	19	111	54	6
60 to 64 years	1987	29	8	118	23	84	40	3
65 years and over	1987	51	27	205	50	178	92	17
	1982	49	25	195	55	171	91	21
65 to 69 years	1987	27	13	91	17	82	34	4
70 years and over	1987	24	14	114	33	96	58	13
Average age	1987	51.9	52.3	50.2	52.7	52.0	52.3	52.5
	1982	50.3	50.8	48.8	51.8	50.3	51.0	52.7
Operators by sex:								
Male	farms, 1987	261	99	1 162	200	806	395	51
	1982	295	116	1 317	237	946	422	80
	acres, 1987	72 302	27 836	229 512	42 675	141 090	66 385	5 264
	1982	78 328	30 839	238 603	45 792	152 227	72 134	(D)
Female	farms, 1987	10	10	57	11	45	16	7
	1982	20	7	55	16	44	11	2
	acres, 1987	1 679	1 131	4 005	2 175	4 179	1 900	672
	1982	3 007	1 737	5 948	2 073	8 598	1 879	(D)
TYPE OF ORGANIZATION								
Individual or family (sole proprietorship)	farms, 1987	241	91	1 114	185	766	386	51
	1982	276	113	1 252	225	888	406	77
	acres, 1987	59 787	21 237	195 717	33 831	105 219	62 003	5 438
	1982	65 785	27 325	207 502	38 719	121 060	64 153	10 360
Partnership	farms, 1987	22	11	83	16	63	21	7
	1982	35	9	104	20	83	25	4
	acres, 1987	12 631	5 142	(D)	8 707	(D)	4 698	498
	1982	13 780	(D)	29 431	7 647	29 673	(D)	(D)
Corporation:								
Family held	farms, 1987	7	7	17	9	18	2	-
	1982	4	1	13	7	12	2	-
	acres, 1987	(D)	2 588	8 976	(D)	9 303	(D)	-
	1982	1 770	(D)	7 088	(D)	(D)	(D)	-
Other than family held	farms, 1987	-	-	4	-	3	-	-
	1982	-	-	1	1	1	-	1
	acres, 1987	-	-	2 495	-	180	-	-
	1982	-	-	(D)	(D)	(D)	-	(D)
Other—cooperative, estate or trust, institutional, etc.	farms, 1987	1	-	1	1	1	2	-
	1982	-	-	2	-	6	-	-
	acres, 1987	(D)	-	(D)	(D)	(D)	(D)	-
	1982	-	-	(D)	-	738	-	-

Table 10. **Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
OPERATOR CHARACTERISTICS—Con.									
Operators by age group:									
Under 25 years	1987	6	36	15	-	57	8	9	3
	1982	3	42	35	1	81	27	41	3
25 to 34 years	1987	49	132	127	17	243	97	173	19
	1982	55	175	206	36	281	122	149	27
35 to 44 years	1987	89	229	215	43	299	206	240	34
	1982	99	305	319	32	332	286	314	34
45 to 54 years	1987	110	248	283	26	289	267	269	50
	1982	122	247	295	47	334	265	264	70
55 to 64 years	1987	111	202	257	37	299	208	237	59
	1982	113	289	299	41	438	248	268	70
55 to 59 years	1987	56	93	127	16	148	102	123	30
60 to 64 years	1987	55	109	130	21	151	106	114	29
65 years and over	1987	82	164	245	24	203	174	161	50
	1982	70	157	200	38	189	157	151	40
65 to 69 years	1987	44	72	127	7	93	79	81	26
70 years and over	1987	38	92	118	17	110	95	80	24
Average age	1987	51.4	49.3	51.9	50.5	48.0	51.3	49.4	53.4
	1982	50.7	48.1	48.8	50.1	47.7	49.3	48.5	51.5
Operators by sex:									
Male	farms, 1987	419	982	1 095	136	1 347	917	1 051	209
	1982	424	1 189	1 307	187	1 616	1 053	1 148	235
	acres, 1987	67 647	279 825	237 168	30 136	412 819	206 020	247 562	46 940
	1982	68 672	284 925	259 066	34 451	425 678	219 269	236 673	55 556
Female	farms, 1987	28	29	47	11	43	43	38	6
	1982	38	26	47	8	39	52	39	9
	acres, 1987	2 307	2 642	5 185	1 615	11 608	1 706	5 938	1 048
	1982	5 476	3 903	5 564	1 087	9 297	3 473	6 103	907
TYPE OF ORGANIZATION									
Individual or family (sole proprietorship)	farms, 1987	364	871	1 031	122	1 201	834	954	199
	1982	393	1 061	1 219	174	1 433	967	1 042	227
	acres, 1987	47 059	213 466	195 945	22 372	309 209	133 738	194 099	37 132
	1982	53 924	219 062	214 023	29 846	324 236	151 610	183 787	43 297
Partnership	farms, 1987	56	121	95	21	124	95	128	13
	1982	52	140	119	20	162	109	135	13
	acres, 1987	(D)	61 730	39 670	5 788	65 483	62 297	(D)	4 618
	1982	14 669	66 314	39 707	(D)	58 223	58 017	51 288	(D)
Corporation:									
Family held	farms, 1987	25	13	8	3	53	16	4	3
	1982	16	9	5	1	46	14	4	2
	acres, 1987	(D)	6 990	(D)	(D)	(D)	(D)	(D)	6 238
	1982	(D)	2 799	8 461	(D)	48 189	9 339	(D)	(D)
Other than family held	farms, 1987	1	-	1	-	6	1	1	-
	1982	1	-	3	-	7	3	-	1
	acres, 1987	(D)	-	(D)	-	(D)	(D)	(D)	-
	1982	(D)	-	(D)	-	1 272	281	-	(D)
Other—cooperative, estate or trust, institutional, etc.	farms, 1987	1	6	7	1	6	14	2	-
	1982	-	5	8	-	7	12	6	1
	acres, 1987	(D)	281	826	(D)	664	4 918	(D)	-
	1982	-	653	(D)	-	3 055	3 495	(D)	(D)

Table 10. **Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
OPERATOR CHARACTERISTICS—Con.									
Operators by age group:									
Under 25 years	1987	1	15	11	11	-	18	-	-
	1982	-	30	34	12	1	34	-	-
25 to 34 years	1987	10	112	114	81	5	187	-	12
	1982	12	137	161	124	10	209	-	17
35 to 44 years	1987	22	194	233	217	23	319	1	31
	1982	17	210	290	205	24	364	2	41
45 to 54 years	1987	22	199	284	207	22	326	-	18
	1982	30	239	277	262	21	377	-	13
55 to 64 years	1987	23	218	250	180	22	297	1	23
	1982	22	246	280	220	17	324	-	29
55 to 59 years	1987	13	116	111	98	16	168	1	10
60 to 64 years	1987	10	102	139	82	6	129	-	13
65 years and over	1987	17	174	211	146	17	221	-	27
	1982	17	154	200	138	18	216	2	23
65 to 69 years	1987	8	96	95	74	4	102	-	12
70 years and over	1987	9	78	116	72	13	119	-	15
Average age	1987	50.8	50.7	51.7	50.5	52.4	49.8	(D)	51.7
	1982	51.0	49.6	49.8	49.9	50.6	49.0	55.0	49.7
Operators by sex:									
Male	farms, 1987	91	873	1 053	786	83	1 271	2	108
	1982	94	979	1 189	911	89	1 459	4	116
	acres, 1987	26 058	190 361	213 968	160 778	15 735	196 010	(D)	18 057
	1982	28 365	196 038	231 728	173 170	(D)	216 810	390	20 952
Female	farms, 1987	4	39	50	54	6	97	-	3
	1982	4	37	53	50	2	65	-	7
	acres, 1987	656	4 567	4 407	7 532	583	7 832	-	498
	1982	660	4 834	3 456	4 021	(D)	6 405	-	931
TYPE OF ORGANIZATION									
Individual or family (sole proprietorship)	farms, 1987	90	810	957	732	84	1 164	2	101
	1982	93	912	1 118	840	85	1 315	4	114
	acres, 1987	24 425	146 863	152 716	130 630	14 739	145 731	(D)	14 962
	1982	24 943	160 693	162 203	137 122	16 727	166 164	390	18 795
Partnership	farms, 1987	2	97	119	63	3	140	-	9
	1982	3	101	95	83	5	164	-	7
	acres, 1987	(D)	44 815	44 921	21 269	(D)	40 654	-	(D)
	1982	(D)	38 795	48 133	27 783	(D)	44 737	-	(D)
Corporation:									
Family held	farms, 1987	2	4	16	36	1	56	-	-
	1982	2	3	19	28	1	39	-	1
	acres, 1987	(D)	(D)	13 710	7 483	(D)	15 598	-	-
	1982	(D)	1 384	(D)	4 078	(D)	11 671	-	(D)
Other than family held	farms, 1987	-	1	3	5	1	4	-	1
	1982	-	-	1	4	-	3	-	-
	acres, 1987	-	(D)	1 121	3 867	(D)	968	-	(D)
	1982	-	-	(D)	3 643	-	(D)	-	-
Other—cooperative, estate or trust, institutional, etc.	farms, 1987	1	-	8	6	-	4	-	-
	1982	-	-	9	6	-	3	-	1
	acres, 1987	(D)	-	5 907	5 061	-	891	-	-
	1982	-	-	5 455	4 565	-	(D)	-	(D)

Table 10. Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
OPERATOR CHARACTERISTICS—Con.								
Operators by age group:								
Under 25 years 1987	17	3	38	6	-	-	8	2
1982	42	8	76	11	-	2	21	7
25 to 34 years 1987	127	41	166	87	4	10	66	33
1982	150	56	237	98	5	12	103	44
35 to 44 years 1987	282	93	316	179	7	20	135	57
1982	298	74	379	223	6	23	150	69
45 to 54 years 1987	289	80	34[illegible]	184	7	20	143	61
1982	348	101	35[illegible]	216	7	21	162	55
55 to 64 years 1987	306	97	297	179	10	16	153	64
1982	329	118	344	174	10	25	222	74
55 to 59 years 1987	162	47	160	98	4	10	66	31
60 to 64 years 1987	144	50	137	81	6	6	85	33
65 years and over 1987	207	80	229	154	6	14	162	63
1982	194	72	232	162	2	13	161	55
65 to 69 years 1987	106	33	102	57	4	7	78	37
70 years and over 1987	101	47	127	97	2	7	84	26
Average age 1987	51.0	51.9	49.9	51.6	51.6	50.4	52.9	51.9
1982	49.7	51.3	48.0	50.4	49.6	50.4	51.8	50.4
Operators by sex:								
Male farms, 1987	1 146	364	1 351	725	31	76	616	260
1982	1 299	412	1 584	830	30	95	767	280
acres, 1987	211 060	63 240	341 558	124 801	10 218	23 054	77 191	43 786
1982	220 883	71 162	372 690	134 660	10 813	(D)	88 279	47 141
Female farms, 1987	82	30	36	64	3	4	51	20
1982	62	17	35	54	-	1	52	24
acres, 1987	7 719	2 242	3 243	3 710	419	1 529	2 492	2 961
1982	5 062	1 293	3 606	3 258	-	(D)	2 943	2 236
TYPE OF ORGANIZATION								
Individual or family (sole proprietorship) farms, 1987	1 088	323	1 199	701	30	74	563	252
1982	1 209	366	1 400	778	27	93	701	267
acres, 1987	154 889	47 321	245 122	100 608	9 684	22 253	58 026	38 368
1982	165 320	54 037	262 315	101 703	9 563	29 750	67 522	39 902
Partnership farms, 1987	96	52	153	61	3	5	76	22
1982	122	46	190	82	3	2	94	24
acres, 1987	43 386	(D)	75 145	(D)	(D)	(D)	19 926	4 317
1982	48 745	11 551	87 539	29 165	1 250	(D)	22 346	3 111
Corporation:								
Family held farms, 1987	39	18	29	22	1	-	27	5
1982	24	16	22	17	-	1	23	8
acres, 1987	(D)	6 955	(D)	4 528	(D)	-	(D)	(D)
1982	11 298	(D)	(D)	5 533	-	(D)	(D)	(D)
Other than family held farms, 1987	2	-	2	3	-	-	1	1
1982	3	1	2	5	-	-	-	1
acres, 1987	(D)	-	(D)	560	-	-	(D)	(D)
1982	466	(D)	(D)	(D)	-	-	-	(D)
Other—cooperative, estate or trust, institutional, etc. farms, 1987	3	1	4	2	-	1	-	-
1982	3	-	5	2	-	-	1	4
acres, 1987	4 245	(D)	119	(D)	-	(D)	-	-
1982	116	-	251	(D)	-	-	(D)	500

Table 10. **Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
OPERATOR CHARACTERISTICS—Con.									
Operators by age group:									
Under 25 years	1987	1	6	6	3	11	6	35	7
	1982	3	11	21	5	11	11	68	37
25 to 34 years	1987	10	50	64	44	54	43	170	131
	1982	15	76	84	66	74	52	200	155
35 to 44 years	1987	36	65	157	71	102	67	264	224
	1982	38	109	171	107	126	70	306	262
45 to 54 years	1987	25	96	145	105	105	64	291	240
	1982	27	100	155	106	117	69	344	263
55 to 64 years	1987	21	107	128	86	129	67	269	199
	1982	21	122	150	103	115	81	332	236
55 to 59 years	1987	14	50	57	41	63	34	136	96
60 to 64 years	1987	7	57	71	45	66	33	133	103
65 years and over	1987	8	82	139	65	58	57	229	179
	1982	21	74	103	71	59	40	208	179
65 to 69 years	1987	4	47	59	29	30	27	107	76
70 years and over	1987	4	35	80	36	28	30	122	103
Average age	1987	47.9	51.4	51.8	51.1	49.9	50.3	50.1	50.5
	1982	48.8	49.1	49.0	49.8	48.0	48.4	48.8	49.0
Operators by sex:									
Male	farms, 1987	89	405	615	349	440	279	1 202	938
	1982	117	466	656	427	487	332	1 412	1 090
	acres, 1987	22 450	74 382	123 872	111 829	92 012	82 182	216 000	232 639
	1982	28 121	82 909	133 265	132 353	92 178	91 740	239 146	237 722
Female	farms, 1987	12	21	24	25	19	25	56	42
	1982	8	26	28	31	15	11	46	42
	acres, 1987	2 034	1 811	3 206	6 509	2 453	5 132	4 274	5 748
	1982	1 524	2 900	3 119	5 804	1 121	2 185	2 590	2 869
TYPE OF ORGANIZATION									
Individual or family (sole proprietorship)	farms, 1987	92	364	564	336	427	261	1 122	877
	1982	118	432	616	412	457	289	1 309	1 026
	acres, 1987	19 824	58 302	99 766	95 104	77 639	67 287	174 014	184 996
	1982	24 335	65 292	105 974	116 749	72 115	71 004	190 459	186 976
Partnership	farms, 1987	7	43	68	32	26	38	113	84
	1982	5	46	64	40	40	52	131	92
	acres, 1987	(D)	(D)	(D)	19 910	(D)	17 711	30 721	40 147
	1982	(D)	13 832	28 465	19 106	19 115	(D)	38 103	42 180
Corporation:									
Family held	farms, 1987	1	18	5	5	5	-	20	12
	1982	1	13	1	4	5	-	17	9
	acres, 1987	(D)	6 047	582	(D)	2 269	-	15 055	10 923
	1982	(D)	(D)	(D)	(D)	2 069	-	(D)	(D)
Other than family held	farms, 1987	-	-	-	-	-	-	-	3
	1982	-	1	-	-	-	-	1	2
	acres, 1987	-	-	-	-	-	-	-	1 701
	1982	-	(D)	-	-	-	-	(D)	(D)
Other—cooperative, estate or trust, institutional, etc.	farms, 1987	1	1	2	1	1	5	3	4
	1982	1	-	3	2	-	2	-	3
	acres, 1987	(D)	(D)	(D)	(D)	(D)	2 316	484	620
	1982	(D)	-	(D)	(D)	-	(D)	-	445

Table 10. Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
OPERATOR CHARACTERISTICS—Con.									
Operators by age group:									
Under 25 years	1987	5	3	11	5	6	3	1	1
	1982	-	11	16	7	8	11	1	4
25 to 34 years	1987	6	55	87	46	79	30	11	56
	1982	9	62	100	62	85	43	14	78
35 to 44 years	1987	16	101	172	139	146	56	18	111
	1982	23	116	193	189	197	59	31	103
45 to 54 years	1987	22	124	152	159	200	77	32	107
	1982	20	118	182	186	173	59	45	115
55 to 64 years	1987	30	95	141	141	134	67	32	130
	1982	33	104	186	150	169	77	26	135
55 to 59 years	1987	11	54	69	77	65	31	19	61
60 to 64 years	1987	19	41	72	64	69	36	13	69
65 years and over	1987	29	82	124	106	119	55	23	98
	1982	21	70	107	94	103	59	28	114
65 to 69 years	1987	18	39	68	48	56	17	11	41
70 years and over	1987	11	43	56	58	63	38	12	57
Average age	1987	54.8	50.8	50.1	51.6	50.5	51.9	53.3	52.1
	1982	53.0	49.2	49.5	49.8	49.6	50.4	51.5	51.8
Operators by sex:									
Male	farms, 1987	100	429	654	518	641	275	103	478
	1982	104	451	754	593	700	297	136	522
	acres, 1987	22 381	69 234	112 481	57 100	128 504	77 086	32 424	108 568
	1982	(D)	83 067	125 997	64 327	125 271	66 104	35 949	113 825
Female	farms, 1987	8	31	33	78	45	13	14	25
	1982	2	30	30	95	35	11	9	27
	acres, 1987	1 659	12 990	3 456	3 258	4 611	1 114	4 083	3 094
	1982	(D)	2 189	2 526	4 726	5 008	1 276	2 716	3 861
TYPE OF ORGANIZATION									
Individual or family (sole proprietorship)	farms, 1987	103	394	616	517	603	255	108	457
	1982	100	415	710	586	642	267	129	493
	acres, 1987	20 971	46 979	96 084	49 675	95 520	54 959	32 429	94 855
	1982	20 762	49 936	103 016	53 683	98 971	53 743	33 543	97 329
Partnership	farms, 1987	4	45	54	47	61	27	9	39
	1982	4	50	56	60	74	36	16	53
	acres, 1987	(D)	17 373	14 648	7 180	(D)	(D)	4 078	15 101
	1982	(D)	13 801	16 503	9 954	21 077	11 540	5 122	19 994
Corporation:									
Family held	farms, 1987	-	13	11	24	17	3	-	2
	1982	1	12	12	31	16	4	-	1
	acres, 1987	-	(D)	2 827	3 061	12 749	(D)	-	(D)
	1982	(D)	(D)	(D)	4 722	10 971	(D)	-	(D)
Other than family held	farms, 1987	-	1	3	5	3	2	-	1
	1982	-	1	1	8	2	-	-	-
	acres, 1987	-	(D)	1 846	192	902	(D)	-	(D)
	1982	-	(D)	(D)	503	(D)	-	-	-
Other—cooperative, estate or trust, institutional, etc.	farms, 1987	1	7	3	3	2	1	-	4
	1982	1	3	6	3	1	1	-	2
	acres, 1987	(D)	11 776	532	250	(D)	(D)	-	859
	1982	(D)	11 550	3 871	191	(D)	(D)	-	(D)

Table 10. **Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
OPERATOR CHARACTERISTICS—Con.								
Operators by age group:								
Under 25 years 1987	1	-	35	-	-	31	14	19
1982	-	5	41	8	-	67	34	26
25 to 34 years 1987	9	15	251	35	4	198	105	99
1982	16	17	306	49	4	224	147	157
35 to 44 years 1987	25	25	343	57	4	268	241	200
1982	21	26	355	71	4	360	316	264
45 to 54 years 1987	20	28	355	74	6	353	244	216
1982	15	42	367	60	13	371	304	228
55 to 64 years 1987	14	43	269	59	13	333	269	194
1982	14	25	313	80	11	449	269	217
55 to 59 years 1987	8	20	138	32	7	165	139	106
60 to 64 years 1987	6	23	131	27	6	168	130	88
65 years and over 1987	15	22	218	68	4	241	219	152
1982	20	27	191	67	5	231	232	141
65 to 69 years 1987	5	3	98	35	3	111	97	83
70 years and over 1987	10	19	120	33	1	130	122	69
Average age 1987	49.8	52.9	48.3	52.2	51.9	50.3	52.0	50.2
1982	50.4	50.5	47.2	50.9	52.3	49.3	49.9	48.4
Operators by sex:								
Male farms, 1987	80	126	1 412	275	29	1 365	1 021	842
1982	83	134	1 526	323	34	1 654	1 247	987
acres, 1987	15 584	38 504	174 842	77 465	(D)	302 411	172 166	208 078
1982	16 589	40 260	180 308	85 414	5 290	317 315	201 888	216 392
Female farms, 1987	4	7	59	18	2	59	71	38
1982	3	8	47	12	3	48	55	46
acres, 1987	1 583	1 284	3 052	4 216	(D)	5 858	4 902	5 779
1982	267	1 250	2 771	2 611	101	5 414	3 818	4 345
TYPE OF ORGANIZATION								
Individual or family (sole proprietorship) farms, 1987	76	119	1 246	262	30	1 268	996	783
1982	81	130	1 354	310	33	1 503	1 184	936
acres, 1987	15 646	31 730	122 989	64 101	(D)	238 821	144 572	171 032
1982	15 114	32 774	126 276	71 269	4 841	244 342	166 034	177 278
Partnership farms, 1987	7	10	167	24	1	130	83	78
1982	2	10	181	22	4	168	98	79
acres, 1987	(D)	(D)	37 039	14 394	(D)	57 653	(D)	31 936
1982	(D)	(D)	39 778	15 468	550	67 233	33 513	30 572
Corporation:								
Family held farms, 1987	1	3	45	5	-	20	11	14
1982	3	2	27	2	-	23	16	11
acres, 1987	(D)	4 675	10 752	(D)	-	(D)	(D)	(D)
1982	(D)	(D)	11 685	(D)	-	(D)	(D)	12 182
Other than family held farms, 1987	-	-	10	-	-	2	1	1
1982	-	-	9	-	-	1	1	4
acres, 1987	-	-	6 821	-	-	(D)	(D)	(D)
1982	-	-	(D)	-	-	(D)	(D)	547
Other—cooperative, estate or trust, institutional, etc. farms, 1987	-	1	3	2	-	4	1	4
1982	-	-	2	1	-	7	3	3
acres, 1987	-	(D)	293	(D)	-	464	(D)	534
1982	-	-	(D)	(D)	-	1 177	684	158

Table 10. **Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
OPERATOR CHARACTERISTICS—Con.									
Operators by age group:									
Under 25 years	1987	42	-	19	32	10	20	3	2
	1982	94	-	43	53	23	32	11	2
25 to 34 years	1987	219	10	158	158	137	125	24	9
	1982	277	7	178	209	176	139	66	20
35 to 44 years	1987	298	2	263	261	242	262	69	32
	1982	364	16	328	334	313	349	77	42
45 to 54 years	1987	325	18	218	272	291	309	70	45
	1982	419	13	310	364	347	286	106	63
55 to 64 years	1987	396	12	257	302	330	251	84	51
	1982	418	11	295	341	346	289	97	58
55 to 59 years	1987	202	7	132	168	147	131	53	20
60 to 64 years	1987	194	5	125	134	183	120	31	31
65 years and over	1987	279	10	247	182	268	255	84	39
	1982	274	9	232	182	259	252	82	44
65 to 69 years	1987	137	7	104	78	120	98	37	20
70 years and over	1987	142	3	143	104	148	157	47	19
Average age	1987	50.5	51.7	51.2	49.7	52.5	51.6	53.7	54.0
	1982	48.5	49.5	49.3	48.4	50.8	50.8	50.5	52.6
Operators by sex:									
Male	farms, 1987	1 491	41	1 115	1 150	1 166	1 138	273	170
	1982	1 794	51	1 339	1 424	1 388	1 274	383	218
	acres, 1987	421 007	12 482	233 403	323 414	183 991	199 899	20 894	30 599
	1982	435 664	12 152	241 288	336 964	192 385	218 847	35 554	37 519
Female	farms, 1987	68	11	45	57	112	84	61	8
	1982	52	5	47	59	76	73	56	11
	acres, 1987	10 192	2 698	6 954	5 291	6 260	4 373	1 302	504
	1982	8 630	2 342	3 030	6 711	4 670	4 826	1 772	2 348
TYPE OF ORGANIZATION									
Individual or family (sole proprietorship)	farms, 1987	1 346	49	1 048	1 032	1 127	1 045	284	173
	1982	1 620	55	1 226	1 276	1 307	1 175	372	219
	acres, 1987	315 297	13 776	192 278	205 529	139 009	154 854	17 017	28 813
	1982	343 742	(D)	198 544	251 546	151 834	171 589	30 014	37 570
Partnership	farms, 1987	174	1	102	115	112	118	20	4
	1982	203	1	147	155	125	141	41	7
	acres, 1987	86 629	(D)	(D)	(D)	23 331	(D)	2 809	(D)
	1982	81 169	(D)	41 101	57 952	18 762	42 390	4 623	1 140
Corporation:									
Family held	farms, 1987	32	-	7	57	24	53	28	1
	1982	17	-	7	48	24	22	21	2
	acres, 1987	26 989	-	(D)	(D)	23 228	10 046	(D)	(D)
	1982	17 408	-	(D)	(D)	25 551	(D)	619	(D)
Other than family held	farms, 1987	3	-	1	2	8	4	2	-
	1982	1	-	2	1	5	2	-	-
	acres, 1987	1 150	-	(D)	(D)	2 659	70	(D)	-
	1982	(D)	-	(D)	(D)	892	(D)	-	-
Other—cooperative, estate or trust, institutional, etc.	farms, 1987	4	2	2	1	7	2	-	-
	1982	5	-	4	3	3	7	5	1
	acres, 1987	1 134	(D)	(D)	(D)	2 024	(D)	-	-
	1982	(D)	-	127	488	16	1 042	2 070	(D)

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Table 11. Cattle and Calves—Inventory and Sales: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Item	Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
INVENTORY							
Cattle and calves farms, 1987	19 436	126	41	643	239	94	130
1982	25 657	200	51	828	292	129	168
number, 1987	1 163 352	5 559	2 119	42 989	10 74[illegible]	6 022	7 621
1982	1 345 793	8 840	2 409	51 419	11 44[illegible]	7 741	9 109
Farms by inventory:							
1 to 9 farms, 1987	5 321	27	10	200	52	30	32
1982	7 527	32	9	261	66	37	44
number, 1987	25 394	129	49	1 012	245	170	148
1982	36 392	182	39	1 265	331	201	262
10 to 19 farms, 1987	3 502	31	7	97	46	13	20
1982	4 648	47	7	136	69	21	30
number, 1987	48 084	449	86	1 313	605	166	292
1982	63 838	654	92	1 822	957	276	434
20 to 49 farms, 1987	4 395	35	7	132	66	23	35
1982	6 070	74	17	160	88	33	41
number, 1987	137 241	1 102	214	4 062	2 021	681	1 032
1982	189 716	2 385	474	5 048	2 884	1 033	1 218
50 to 99 farms, 1987	2 904	22	9	78	45	11	13
1982	3 691	28	9	118	47	15	18
number, 1987	201 961	1 566	615	5 406	3 047	760	874
1982	256 694	1 873	664	8 380	3 392	1 008	1 115
100 to 199 farms, 1987	2 045	6	8	77	20	7	18
1982	2 433	10	9	92	15	15	25
number, 1987	(D)	826	1 155	10 398	2 600	867	2 371
1982	326 873	1 265	1 140	13 087	(D)	(D)	3 358
200 to 499 farms, 1987	1 078	5	-	51	10	6	12
1982	1 114	9	-	53	6	7	10
number, 1987	(D)	1 437	-	14 665	2 222	(D)	2 904
1982	308 242	2 481	-	16 052	1 366	2 535	2 722
500 or more farms, 1987	191	-	-	8	-	2	-
1982	174	-	-	8	1	1	-
number, 1987	170 979	-	-	6 133	-	(D)	-
1982	164 038	-	-	5 765	(D)	(D)	-
Cows and heifers that had calved farms, 1987	14 030	101	27	425	184	76	90
1982	18 730	160	43	548	229	101	118
number, 1987	454 706	2 568	735	17 139	4 452	2 056	3 260
1982	539 180	3 724	1 075	19 676	5 156	2 767	3 677
Beef cows farms, 1987	8 163	87	12	209	127	45	44
1982	10 810	132	20	269	149	60	58
number, 1987	110 156	1 836	(D)	2 278	1 857	642	355
1982	140 969	2 419	170	3 145	2 036	892	531
1987 farms by inventory:							
1 to 9 farms	4 691	29	8	125	58	27	33
number	20 309	132	34	537	261	105	140
10 to 19 farms	1 936	26	1	57	33	10	6
number	25 806	370	(D)	741	446	144	83
20 to 49 farms	1 200	20	2	23	33	6	5
number	33 948	512	(D)	586	941	(D)	132
50 to 99 farms	257	7	1	2	3	-	-
number	16 549	502	(D)	(D)	209	-	-
100 to 199 farms	61	3	-	2	-	2	-
number	7 631	320	-	(D)	-	(D)	-
200 to 499 farms	16	-	-	-	-	-	-
number	(D)	-	-	-	-	-	-
500 or more farms	2	-	-	-	-	-	-
number	(D)	-	-	-	-	-	-
Milk cows farms, 1987	6 499	16	16	234	62	36	53
1982	9 142	38	31	329	90	45	72
number, 1987	344 550	732	(D)	14 861	2 595	1 414	2 905
1982	398 211	1 305	905	16 531	3 120	1 875	3 146
1987 farms by inventory:							
1 to 9 farms	960	1	1	25	6	11	4
number	2 927	(D)	(D)	73	10	(D)	9
10 to 19 farms	634	2	5	21	11	3	4
number	9 076	(D)	69	311	(D)	(D)	55
20 to 49 farms	2 240	9	5	75	23	11	18
number	73 831	307	170	2 521	(D)	345	586
50 to 99 farms	1 724	2	5	64	16	7	20
number	116 665	(D)	311	4 372	1 053	485	1 393
100 to 199 farms	791	2	-	38	6	4	7
number	100 928	(D)	-	4 950	631	515	862
200 to 499 farms	141	-	-	11	-	-	-
number	34 939	-	-	2 634	-	-	-
500 or more farms	9	-	-	-	-	-	-
number	6 184	-	-	-	-	-	-
Heifers and heifer calves farms, 1987	13 710	89	30	424	194	68	94
1982	18 594	158	41	558	239	103	128
number, 1987	372 907	1 512	755	13 594	3 777	2 422	2 721
1982	422 366	2 474	831	17 771	3 845	2 655	2 993
Steers, steer calves, bulls, and bull calves farms, 1987	15 610	107	38	497	202	69	113
1982	21 600	168	42	673	250	105	151
number, 1987	335 739	1 479	629	12 256	2 511	1 544	1 640
1982	384 247	2 642	403	13 972	2 443	2 319	2 439

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
INVENTORY							
Cattle and calves .... farms, 1987	42	455	115	44	251	365	476
1982	51	587	154	47	321	508	624
number, 1987	1 355	24 470	4 683	1 562	7 424	20 883	25 732
1982	1 612	29 095	4 736	1 711	8 329	23 310	31 331
Farms by inventory:							
1 to 9 .... farms, 1987	9	128	37	14	105	132	135
1982	14	163	68	19	145	177	179
number, 1987	59	641	171	72	467	615	664
1982	78	756	319	104	631	779	884
10 to 19 .... farms, 1987	7	83	35	12	50	76	83
1982	15	114	29	10	54	109	122
number, 1987	118	1 128	476	149	675	1 047	1 164
1982	213	1 539	381	133	728	1 465	1 694
20 to 49 .... farms, 1987	16	100	19	9	58	87	117
1982	12	143	30	7	76	115	140
number, 1987	470	2 953	581	266	1 906	2 598	3 730
1982	380	4 303	927	193	2 281	3 695	4 457
50 to 99 .... farms, 1987	9	86	13	4	19	49	75
1982	7	92	16	4	27	56	100
number, 1987	(D)	6 285	842	231	1 115	3 249	5 169
1982	500	6 466	1 002	257	1 660	3 938	6 766
100 to 199 .... farms, 1987	1	29	4	5	17	21	46
1982	3	43	6	6	16	32	57
number, 1987	(D)	4 090	537	822	(D)	2 757	6 165
1982	432	5 779	756	(D)	(D)	4 385	7 559
200 to 499 .... farms, 1987	-	27	7	-	-	15	14
1982	-	29	5	1	-	13	19
number, 1987	-	(D)	2 076	-	-	4 180	4 385
1982	-	8 042	1 351	(D)	-	4 074	5 229
500 or more .... farms, 1987	-	2	-	-	2	5	6
1982	-	3	-	-	1	4	7
number, 1987	-	(D)	-	-	(D)	6 437	4 455
1982	-	2 208	-	-	(D)	4 974	4 742
Cows and heifers that had calved .... farms, 1987	36	357	75	40	172	262	362
1982	43	445	98	40	204	353	473
number, 1987	703	11 266	1 766	458	3 121	6 533	9 255
1982	798	13 302	1 851	568	3 431	7 562	12 124
Beef cows .... farms, 1987	22	236	48	36	130	154	255
1982	29	268	58	35	146	192	331
number, 1987	314	3 477	414	410	1 448	1 959	3 383
1982	338	3 696	350	436	1 395	2 038	4 767
1987 farms by inventory:							
1 to 9 .... farms	13	120	39	25	78	78	131
number	57	496	192	110	302	344	590
10 to 19 .... farms	6	71	6	6	26	47	63
number	86	940	68	90	343	618	852
20 to 49 .... farms	1	35	2	3	22	24	55
number	(D)	1 066	(D)	(D)	572	677	1 541
50 to 99 .... farms	2	7	-	2	4	5	6
number	(D)	455	-	(D)	231	320	400
100 to 199 .... farms	-	2	1	-	-	-	-
number	-	(D)	(D)	-	-	-	-
200 to 499 .... farms	-	1	-	-	-	-	-
number	-	(D)	-	-	-	-	-
500 or more .... farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Milk cows .... farms, 1987	19	133	30	5	53	121	121
1982	22	200	46	8	63	184	161
number, 1987	380	7 789	1 352	48	1 673	4 574	5 872
1982	460	9 606	1 501	132	2 036	5 524	7 357
1987 farms by inventory:							
1 to 9 .... farms	3	19	5	3	15	40	19
number	9	61	21	(D)	35	150	62
10 to 19 .... farms	7	3	4	1	9	20	10
number	109	38	61	(D)	142	249	137
20 to 49 .... farms	8	61	13	1	19	31	43
number	(D)	2 095	393	(D)	538	933	1 378
50 to 99 .... farms	1	29	3	-	8	14	37
number	(D)	1 909	197	-	(D)	892	2 427
100 to 199 .... farms	-	16	5	-	1	13	9
number	-	2 173	680	-	(D)	1 616	1 140
200 to 499 .... farms	-	4	-	-	1	3	3
number	-	(D)	-	-	(D)	734	728
500 or more .... farms	-	1	-	-	-	-	-
number	-	(D)	-	-	-	-	-
Heifers and heifer calves .... farms, 1987	35	333	70	30	151	251	356
1982	49	447	99	34	200	373	470
number, 1987	419	7 780	1 696	325	2 544	5 386	8 206
1982	463	10 015	1 700	437	2 504	6 405	8 430
Steers, steer calves, bulls, and bull calves .... farms, 1987	37	349	91	40	205	305	389
1982	46	500	130	42	263	439	545
number, 1987	233	5 424	1 221	779	1 759	8 964	8 271
1982	351	5 778	1 185	706	2 394	9 343	10 777

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
INVENTORY							
Cattle and calves .... farms, 1987	275	129	98	186	173	480	7
1982	384	176	144	251	201	665	11
number, 1987	10 140	4 513	6 404	8 462	10 628	39 306	(D)
1982	13 650	6 306	6 847	8 772	14 215	40 681	60
Farms by inventory:							
1 to 9 .... farms, 1987	97	43	23	41	45	132	3
1982	147	53	31	79	43	192	8
number, 1987	489	221	135	211	223	639	(D)
1982	649	292	176	375	214	953	25
10 to 19 .... farms, 1987	64	24	16	44	28	63	3
1982	65	41	36	43	35	118	3
number, 1987	852	326	237	621	407	836	(D)
1982	881	614	513	586	491	1 674	35
20 to 49 .... farms, 1987	53	32	24	43	37	87	1
1982	88	46	45	68	52	126	-
number, 1987	1 632	954	703	1 418	1 147	2 749	(D)
1982	2 688	1 463	1 406	2 177	1 710	3 885	-
50 to 99 .... farms, 1987	31	21	12	34	34	73	-
1982	47	20	15	43	36	109	-
number, 1987	2 053	1 477	783	2 346	2 188	5 133	-
1982	3 061	1 384	1 167	2 937	2 424	7 408	-
100 to 199 .... farms, 1987	26	8	14	20	20	76	-
1982	30	13	11	15	19	81	-
number, 1987	3 337	(D)	1 769	2 783	3 003	10 636	-
1982	(D)	1 634	(D)	2 007	2 749	10 989	-
200 to 499 .... farms, 1987	2	1	7	4	6	40	-
1982	5	3	5	3	11	36	-
number, 1987	(D)	(D)	(D)	1 083	1 860	11 196	-
1982	1 323	919	1 394	690	2 876	10 822	-
500 or more .... farms, 1987	2	-	2	-	3	9	-
1982	2	-	1	-	5	3	-
number, 1987	(D)	-	(D)	-	1 800	8 117	-
1982	(D)	-	(D)	-	3 751	4 950	-
Cows and heifers that had calved .... farms, 1987	192	100	82	161	124	318	5
1982	268	147	130	215	162	407	8
number, 1987	4 386	2 278	3 151	3 631	4 396	16 942	(D)
1982	5 792	2 997	3 386	4 301	5 620	16 901	18
Beef cows .... farms, 1987	146	68	66	108	81	130	5
1982	199	97	101	134	103	164	7
number, 1987	2 388	1 072	1 546	1 706	1 724	1 682	(D)
1982	3 209	1 309	1 599	1 805	2 608	1 879	(D)
1987 farms by inventory:							
1 to 9 .... farms	83	36	25	59	42	81	4
number	380	154	120	300	190	350	22
10 to 19 .... farms	34	16	15	24	13	21	1
number	458	210	204	299	186	256	(D)
20 to 49 .... farms	22	11	17	16	20	23	-
number	598	346	461	458	605	704	-
50 to 99 .... farms	2	5	6	8	4	3	-
number	(D)	362	379	(D)	(D)	(D)	-
100 to 199 .... farms	4	-	3	1	1	2	-
number	509	-	382	(D)	(D)	(D)	-
200 to 499 .... farms	1	-	-	-	1	-	-
number	(D)	-	-	-	(D)	-	-
500 or more .... farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Milk cows .... farms, 1987	54	37	20	65	56	193	1
1982	85	66	41	102	76	235	2
number, 1987	1 998	1 206	1 605	1 925	2 672	15 260	(D)
1982	2 583	1 688	1 787	2 496	3 012	15 022	(D)
1987 farms by inventory:							
1 to 9 .... farms	14	12	4	14	11	17	1
number	27	33	16	52	27	52	(D)
10 to 19 .... farms	5	2	-	11	6	8	-
number	54	(D)	-	157	89	129	-
20 to 49 .... farms	15	14	5	28	22	59	-
number	460	438	185	914	665	1 932	-
50 to 99 .... farms	19	7	5	10	10	62	-
number	(D)	480	319	(D)	680	4 437	-
100 to 199 .... farms	1	2	4	2	5	37	-
number	(D)	(D)	(D)	(D)	(D)	4 628	-
200 to 499 .... farms	-	-	2	-	2	9	-
number	-	-	(D)	-	(D)	(D)	-
500 or more .... farms	-	-	-	-	-	1	-
number	-	-	-	-	-	(D)	-
Heifers and heifer calves .... farms, 1987	181	91	85	140	134	320	4
1982	248	143	118	214	164	410	11
number, 1987	3 093	1 293	2 010	2 887	3 663	13 619	(D)
1982	3 619	2 164	2 201	2 964	4 659	13 536	19
Steers, steer calves, bulls, and bull calves ... farms, 1987	237	107	87	153	142	377	4
1982	330	151	124	207	177	577	8
number, 1987	2 661	942	1 243	1 944	2 569	8 745	(D)
1982	4 239	1 145	1 260	1 507	3 936	10 244	23

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
INVENTORY							
Cattle and calves farms, 1987	167	68	470	133	245	242	35
1982	216	87	593	165	338	303	58
number, 1987	8 309	2 817	19 266	6 062	14 423	8 922	554
1982	9 409	3 506	23 675	6 963	18 478	10 568	1 120
Farms by inventory:							
1 to 9 farms, 1987	34	21	151	30	100	48	14
1982	57	25	186	39	123	63	20
number, 1987	149	107	697	177	458	234	57
1982	300	116	941	213	585	347	132
10 to 19 farms, 1987	30	6	89	28	61	67	14
1982	34	14	108	46	80	76	21
number, 1987	386	83	1 230	403	845	960	189
1982	490	192	1 488	622	1 063	1 051	301
20 to 49 farms, 1987	48	22	111	29	36	78	4
1982	63	21	156	38	70	103	14
number, 1987	1 623	786	3 530	862	1 105	2 491	143
1982	1 952	689	4 732	1 153	2 056	3 181	429
50 to 99 farms, 1987	35	11	71	31	22	34	3
1982	37	19	81	30	28	41	2
number, 1987	2 503	851	4 918	2 180	1 428	2 282	165
1982	2 509	1 381	5 788	2 108	1 984	2 754	(D)
100 to 199 farms, 1987	13	8	32	11	11	9	-
1982	20	8	48	9	17	14	1
number, 1987	1 758	990	4 189	1 315	1 540	1 199	-
1982	2 586	1 128	(D)	1 227	2 401	1 727	(D)
200 to 499 farms, 1987	7	-	15	4	10	6	-
1982	5	-	12	2	14	8	-
number, 1987	1 890	-	(D)	1 125	2 922	1 756	-
1982	1 572	-	3 315	(D)	4 214	1 508	-
500 or more farms, 1987	-	-	1	-	5	-	-
1982	-	-	2	1	6	-	-
number, 1987	-	-	(D)	-	6 125	-	-
1982	-	-	(D)	(D)	6 175	-	-
Cows and heifers that had calved farms, 1987	143	61	357	116	155	200	32
1982	187	78	452	144	237	251	54
number, 1987	4 367	1 438	7 974	3 074	3 783	3 887	279
1982	4 651	1 858	10 159	3 143	6 235	4 118	549
Beef cows farms, 1987	90	42	241	94	121	131	25
1982	118	50	304	112	176	183	43
number, 1987	1 753	591	2 940	1 918	1 142	2 054	139
1982	2 000	790	4 161	1 942	1 771	2 313	356
1987 farms by inventory:							
1 to 9 farms	41	21	137	42	89	52	21
number	173	83	577	200	398	252	85
10 to 19 farms	23	13	59	23	19	46	3
number	323	204	788	321	247	599	(D)
20 to 49 farms	18	7	40	21	9	26	1
number	523	(D)	1 191	624	297	728	(D)
50 to 99 farms	5	1	5	6	4	6	-
number	304	(D)	384	(D)	200	(D)	-
100 to 199 farms	2	-	-	-	-	1	-
number	(D)	-	-	-	-	(D)	-
200 to 499 farms	1	-	-	2	-	-	-
number	(D)	-	-	(D)	-	-	-
500 or more farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Milk cows farms, 1987	63	22	132	32	44	77	9
1982	87	31	173	46	76	80	18
number, 1987	2 614	847	5 034	1 156	2 641	1 833	140
1982	2 651	1 068	5 998	1 201	4 464	1 805	193
1987 farms by inventory:							
1 to 9 farms	8	2	28	10	16	24	4
number	20	(D)	77	28	43	119	(D)
10 to 19 farms	9	1	13	2	2	19	1
number	147	(D)	195	(D)	(D)	257	(D)
20 to 49 farms	29	12	56	13	7	25	4
number	1 007	390	1 851	479	198	721	115
50 to 99 farms	12	7	27	5	8	8	-
number	728	436	1 858	295	581	(D)	-
100 to 199 farms	4	-	7	2	9	1	-
number	(D)	-	(D)	(D)	1 091	(D)	-
200 to 499 farms	1	-	1	-	1	-	-
number	(D)	-	(D)	-	(D)	-	-
500 or more farms	-	-	-	-	1	-	-
number	-	-	-	-	(D)	-	-
Heifers and heifer calves farms, 1987	128	51	358	107	140	196	23
1982	166	70	461	129	196	241	44
number, 1987	2 639	1 041	6 400	1 677	2 193	2 644	141
1982	3 091	1 302	7 781	2 377	3 637	2 885	353
Steers, steer calves, bulls, and bull calves farms, 1987	130	49	389	110	183	211	30
1982	190	66	522	134	293	272	48
number, 1987	1 303	338	4 892	1 311	8 447	2 391	134
1982	1 667	346	5 735	1 443	8 606	3 565	218

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
INVENTORY									
Cattle and calves	farms, 1987	113	333	447	75	632	379	517	125
	1982	155	424	602	121	790	549	637	166
	number, 1987	4 592	29 895	26 296	2 229	74 370	25 973	38 642	8 937
	1982	6 331	28 096	32 251	2 841	77 272	28 496	38 811	11 167
Farms by inventory:									
1 to 9	farms, 1987	38	99	148	24	70	98	113	22
	1982	52	108	206	36	83	206	144	37
	number, 1987	181	489	636	133	373	443	500	114
	1982	230	497	951	194	478	996	683	199
10 to 19	farms, 1987	19	53	88	21	62	74	79	20
	1982	33	67	103	32	88	92	123	35
	number, 1987	245	730	1 243	300	858	1 012	1 058	283
	1982	469	946	1 383	441	1 217	1 236	1 649	460
20 to 49	farms, 1987	31	62	90	17	154	85	116	45
	1982	27	90	150	45	224	96	135	46
	number, 1987	957	1 951	2 962	533	4 816	2 668	3 602	1 445
	1982	713	2 799	4 647	1 430	7 384	2 846	4 397	1 503
50 to 99	farms, 1987	15	49	53	9	141	40	73	20
	1982	26	67	56	5	181	66	114	28
	number, 1987	985	3 660	3 897	615	10 080	2 907	5 050	1 433
	1982	1 336	4 847	3 981	349	12 738	4 779	7 708	1 934
100 to 199	farms, 1987	5	36	38	3	131	47	82	12
	1982	11	61	55	2	148	50	80	12
	number, 1987	561	4 932	5 160	(D)	17 668	6 354	11 208	1 534
	1982	1 376	8 267	7 549	(D)	19 812	6 411	(D)	(D)
200 to 499	farms, 1987	4	25	25	1	51	31	49	4
	1982	6	25	28	1	47	36	39	6
	number, 1987	(D)	7 439	7 782	(D)	13 964	9 311	13 292	(D)
	1982	1 907	6 796	9 041	(D)	12 835	9 522	11 217	1 711
500 or more	farms, 1987	1	9	5	-	23	4	5	2
	1982	-	6	4	-	19	3	2	2
	number, 1987	(D)	10 694	4 616	-	26 611	3 278	3 932	(D)
	1982	-	3 944	4 699	-	22 808	2 706	(D)	(D)
Cows and heifers that had calved	farms, 1987	77	217	285	54	383	261	327	112
	1982	108	277	398	103	522	369	420	143
	number, 1987	1 869	9 364	9 015	1 107	18 773	11 220	15 449	3 255
	1982	2 347	11 361	13 083	1 423	22 649	12 509	15 739	4 080
Beef cows	farms, 1987	57	102	143	35	69	150	151	85
	1982	80	119	198	52	111	212	202	112
	number, 1987	805	1 250	1 490	430	1 360	2 520	1 992	1 784
	1982	988	2 587	3 176	380	3 135	2 434	2 425	2 545
1987 farms by inventory:									
1 to 9	farms	32	68	103	20	33	85	84	30
	number	128	310	425	85	127	379	348	160
10 to 19	farms	14	16	23	7	11	36	42	21
	number	178	234	283	80	149	484	564	294
20 to 49	farms	7	14	12	7	20	22	18	26
	number	197	389	398	(D)	569	595	529	744
50 to 99	farms	3	3	4	1	2	5	5	7
	number	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
100 to 199	farms	1	1	1	-	2	-	2	1
	number	(D)	(D)	(D)	-	(D)	-	(D)	(D)
200 to 499	farms	-	-	-	-	-	2	-	-
	number	-	-	-	-	-	(D)	-	-
500 or more	farms	-	-	-	-	-	-	-	-
	number	-	-	-	-	-	-	-	-
Milk cows	farms, 1987	23	120	153	27	327	117	187	33
	1982	37	172	219	65	437	184	236	42
	number, 1987	1 064	8 114	7 525	677	17 413	8 700	13 457	1 471
	1982	1 359	8 774	9 907	1 043	19 514	10 075	13 314	1 535
1987 farms by inventory:									
1 to 9	farms	4	9	35	10	16	12	8	2
	number	7	27	135	32	104	32	14	(D)
10 to 19	farms	3	13	25	4	52	5	8	9
	number	42	166	376	51	730	82	113	112
20 to 49	farms	9	37	38	9	123	36	57	10
	number	298	1 325	1 208	278	4 200	1 205	1 989	277
50 to 99	farms	4	32	33	3	102	33	75	9
	number	250	2 172	2 314	(D)	6 721	2 250	5 146	619
100 to 199	farms	3	23	16	1	25	23	33	2
	number	467	2 787	2 123	(D)	3 374	2 969	4 389	(D)
200 to 499	farms	-	5	6	-	9	7	5	1
	number	-	(D)	1 369	-	2 284	(D)	(D)	(D)
500 or more	farms	-	1	-	-	-	1	1	-
	number	-	(D)	-	-	-	(D)	(D)	-
Heifers and heifer calves	farms, 1987	69	220	297	55	417	278	345	106
	1982	106	280	423	102	556	364	420	133
	number, 1987	1 282	9 752	8 659	769	21 679	9 575	13 099	2 938
	1982	2 184	9 100	10 411	947	16 175	9 984	12 785	2 586
Steers, steer calves, bulls, and bull calves	farms, 1987	94	262	369	66	545	309	429	105
	1982	127	363	516	98	688	472	549	155
	number, 1987	1 441	10 779	8 622	353	33 918	5 178	10 094	2 744
	1982	1 800	7 635	8 757	471	38 448	6 003	10 287	4 501

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
INVENTORY								
Cattle and calves farms, 1987	57	408	442	225	37	531	1	70
1982	71	528	584	329	53	746	4	93
number, 1987	2 097	31 312	28 835	13 178	1 052	34 672	(D)	1 909
1982	2 599	35 429	35 505	18 007	1 295	39 881	32	2 325
Farms by inventory:								
1 to 9 farms, 1987	12	89	134	76	17	143	1	26
1982	16	124	203	125	24	227	1	28
number 1987	62	464	637	366	85	707	(D)	134
1982	94	617	967	622	118	1 107	(D)	128
10 to 19 farms, 1987	17	63	99	40	2	102	-	19
1982	18	90	134	56	8	132	3	34
number, 1987	247	849	1 368	528	(D)	1 403	-	274
1982	262	1 284	1 858	766	91	1 774	(D)	449
20 to 49 farms, 1987	14	84	86	49	9	110	-	15
1982	19	128	114	67	11	171	-	19
number, 1987	455	2 574	2 415	1 519	259	3 564	-	405
1982	609	4 065	3 443	2 042	(D)	5 409	-	508
50 to 99 farms, 1987	9	70	45	22	7	75	-	6
1982	12	72	54	35	8	109	-	5
number, 1987	599	4 961	2 979	1 452	469	5 474	-	445
1982	855	5 097	3 668	2 429	(D)	7 829	-	331
100 to 199 farms, 1987	4	62	46	24	2	55	-	3
1982	6	65	46	21	2	65	-	7
number, 1987	(D)	8 672	6 300	3 338	(D)	7 395	-	(D)
1982	779	8 674	6 515	2 924	(D)	9 014	-	909
200 to 499 farms, 1987	1	35	25	11	-	39	-	1
1982	-	42	27	21	-	36	-	-
number, 1987	(D)	10 191	6 932	3 272	-	11 302	-	(D)
1982	-	10 778	8 130	5 518	-	10 834	-	-
500 or more farms, 1987	-	5	7	3	-	7	-	-
1982	-	7	6	4	-	6	-	-
number, 1987	-	3 601	8 204	2 703	-	4 827	-	-
1982	-	4 914	10 924	3 706	-	3 914	-	-
Cows and heifers that had calved farms, 1987	55	302	320	159	32	379	1	59
1982	63	404	435	225	35	534	4	68
number, 1987	1 268	13 047	10 479	4 576	522	15 629	(D)	905
1982	1 558	13 538	12 799	5 520	551	16 904	16	1 052
Beef cows farms, 1987	45	158	229	124	21	227	1	47
1982	54	220	314	162	23	313	3	54
number, 1987	938	3 109	3 952	1 744	162	3 286	(D)	500
1982	1 269	2 461	4 731	2 028	186	3 204	(D)	520
1987 farms by inventory:								
1 to 9 farms	22	84	124	69	16	137	1	31
number	91	374	565	303	60	588	(D)	142
10 to 19 farms	10	37	60	29	4	50	-	11
number	140	517	780	376	(D)	648	-	152
20 to 49 farms	7	28	33	21	-	27	-	4
number	234	718	867	541	-	750	-	(D)
50 to 99 farms	5	5	10	3	1	11	-	1
number	(D)	300	(D)	(D)	(D)	(D)	-	(D)
100 to 199 farms	1	1	1	2	-	1	-	-
number	(D)	(D)	(D)	(D)	-	(D)	-	-
200 to 499 farms	-	2	-	-	-	1	-	-
number	-	(D)	-	-	-	(D)	-	-
500 or more farms	-	1	1	-	-	-	-	-
number	-	(D)	(D)	-	-		-	-
Milk cows farms, 1987	13	167	99	41	14	173	-	17
1982	19	217	147	71	18	245	2	24
number, 1987	330	9 938	6 527	2 832	360	12 343	-	405
1982	289	11 077	8 068	3 492	365	13 700	(D)	532
1987 farms by inventory:								
1 to 9 farms	3	15	22	7	5	18	-	7
number	4	54	69	(D)	12	59	-	(D)
10 to 19 farms	2	20	4	1	-	13	-	2
number	(D)	303	55	(D)	-	203	-	(D)
20 to 49 farms	6	53	15	7	8	56	-	5
number	184	1 764	553	217	(D)	1 880	-	148
50 to 99 farms	2	46	36	15	1	46	-	3
number	(D)	3 135	2 551	1 047	(D)	3 135	-	211
100 to 199 farms	-	28	19	10	-	30	-	-
number	-	3 566	2 636	1 294	-	3 914	-	-
200 to 499 farms	-	5	3	1	-	9	-	-
number	-	1 116	663	(D)	-	(D)	-	-
500 or more farms	-	-	-	-	-	1	-	-
number	-	-	-	-	-	(D)	-	-
Heifers and heifer calves farms, 1987	42	311	303	132	29	383	-	51
1982	57	385	413	217	41	543	3	67
number, 1987	530	9 872	7 498	3 243	412	12 140	-	611
1982	637	10 199	10 225	5 333	459	13 790	7	761
Steers, steer calves, bulls, and bull calves farms, 1987	47	320	383	180	30	403	1	53
1982	66	442	500	283	48	610	3	78
number, 1987	299	8 393	10 858	5 359	118	6 903	(D)	[illegible]
1982	404	11 692	12 481	7 154	285	9 187	9	512

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
INVENTORY								
Cattle and calves, farms, 1987	559	80	325	305	17	61	157	104
1982	740	112	441	425	16	77	252	136
number, 1987	30 285	3 862	29 033	18 903	1 365	3 597	5 508	2 999
1982	36 040	5 670	31 688	23 961	1 258	4 144	10 113	2 938
Farms by inventory:								
1 to 9, farms, 1987	162	21	91	107	5	17	69	34
1982	241	26	166	150	1	14	90	44
number, 1987	775	113	465	497	31	76	314	157
1982	1 106	129	735	729	(D)	60	461	219
10 to 19, farms, 1987	102	11	46	42	-	5	28	24
1982	131	19	74	77	1	17	57	38
number, 1987	1 417	154	593	602	-	60	389	339
1982	1 773	262	983	1 042	(D)	220	782	517
20 to 49, farms, 1987	116	23	61	60	5	14	32	29
1982	150	34	66	74	7	17	53	42
number, 1987	3 596	722	1 903	1 947	160	355	955	864
1982	4 723	1 072	2 011	2 376	(D)	605	1 721	1 238
50 to 99, farms, 1987	89	16	43	43	3	12	9	12
1982	116	19	45	52	4	17	32	9
number, 1987	6 089	1 006	3 111	3 056	(D)	902	573	811
1982	8 199	1 297	3 081	3 557	285	1 311	2 186	598
100 to 199, farms, 1987	62	8	36	27	1	10	15	5
1982	71	13	43	38	-	10	16	3
number, 1987	8 519	(D)	5 010	3 626	(D)	1 296	2 147	828
1982	9 381	(D)	5 940	5 137	-	(D)	(D)	366
200 to 499, farms, 1987	25	-	38	21	3	3	4	-
1982	25	-	36	30	3	2	3	-
number, 1987	6 640	-	10 840	5 657	905	908	1 130	-
1982	5 739	-	10 484	8 195	720	(D)	726	-
500 or more, farms, 1987	3	1	10	5	-	-	-	-
1982	6	1	11	4	-	-	1	-
number, 1987	3 249	(D)	7 111	3 518	-	-	-	-
1982	5 119	(D)	8 454	2 925	-	-	(D)	-
Cows and heifers that had calved, farms, 1987	417	54	185	226	16	50	107	87
1982	543	79	240	302	13	69	192	116
number, 1987	12 156	1 194	9 352	7 141	409	1 553	2 357	1 278
1982	14 060	1 652	10 409	9 186	324	2 063	3 937	1 300
Beef cows, farms, 1987	241	32	78	140	16	32	72	76
1982	316	50	122	188	13	38	116	103
number, 1987	2 486	387	1 657	1 341	409	577	470	1 039
1982	3 265	616	2 172	1 957	324	716	995	1 041
1987 farms by inventory:								
1 to 9, farms	154	19	41	94	4	17	58	44
number	674	76	173	362	6	71	247	203
10 to 19, farms	57	9	21	22	4	4	11	17
number	755	122	254	290	46	53	143	241
20 to 49, farms	26	2	6	23	6	9	3	10
number	802	(D)	160	(D)	(D)	(D)	80	274
50 to 99, farms	4	2	5	1	2	1	-	5
number	255	(D)	285	(D)	(D)	(D)	-	321
100 to 199, farms	-	-	4	-	-	1	-	-
number	-	-	(D)	-	-	(D)	-	-
200 to 499, farms	-	-	1	-	-	-	-	-
number	-	-	(D)	-	-	-	-	-
500 or more, farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Milk cows, farms, 1987	196	24	110	98	-	19	40	16
1982	269	34	125	131	-	33	92	20
number, 1987	9 670	807	7 695	5 800	-	976	1 887	239
1982	10 795	1 036	8 237	7 229	-	1 347	2 942	259
1987 farms by inventory:								
1 to 9, farms	30	6	16	14	-	-	7	8
number	68	(D)	59	28	-	-	21	(D)
10 to 19, farms	9	1	4	7	-	1	6	1
number	129	(D)	50	106	-	(D)	90	(D)
20 to 49, farms	73	12	22	33	-	11	11	7
number	2 458	410	796	1 092	-	(D)	373	206
50 to 99, farms	62	5	37	27	-	6	12	-
number	4 205	365	2 487	1 888	-	388	863	-
100 to 199, farms	21	-	27	13	-	-	4	-
number	(D)	-	3 420	1 621	-	-	540	-
200 to 499, farms	1	-	4	4	-	1	-	-
number	(D)	-	883	1 065	-	(D)	-	-
500 or more, farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Heifers and heifer calves, farms, 1987	401	61	182	221	16	42	101	78
1982	544	80	269	318	14	72	167	103
number, 1987	9 579	874	8 916	5 833	378	1 197	2 077	776
1982	10 653	1 158	9 024	7 713	282	1 441	2 896	663
Steers, steer calves, bulls, and bull calves, farms, 1987	434	70	270	253	17	45	106	87
1982	606	93	391	362	16	66	194	120
number, 1987	8 550	1 794	10 765	5 929	578	847	1 074	945
1982	11 327	2 860	12 255	7 062	652	640	3 280	975

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
INVENTORY								
Cattle and calves ……farms, 1987	47	135	374	260	149	199	201	399
1982	77	228	451	358	170	263	275	557
number, 1987	1 569	7 897	17 567	18 636	6 910	21 621	8 842	22 355
1982	2 075	11 997	20 675	21 332	8 995	23 877	9 549	26 072
Farms by inventory:								
1 to 9 ……farms, 1987	21	28	79	50	58	20	102	83
1982	35	64	124	72	80	31	154	165
number, 1987	98	134	387	262	295	90	428	389
1982	165	333	635	371	422	157	685	803
10 to 19 ……farms, 1987	9	31	75	37	38	17	34	85
1982	14	47	83	48	33	25	47	101
number, 1987	123	457	1 068	502	503	240	434	1 178
1982	179	694	1 164	719	434	338	585	1 416
20 to 49 ……farms, 1987	10	30	113	48	32	37	21	89
1982	19	47	116	103	37	50	31	128
number, 1987	267	919	3 475	1 495	1 008	1 054	621	2 719
1982	546	1 473	3 637	3 361	1 076	1 605	934	4 103
50 to 99 ……farms, 1987	1	25	58	64	12	34	23	79
1982	4	37	80	71	12	56	22	81
number, 1987	(D)	1 678	3 920	4 573	737	2 589	1 659	5 435
1982	277	2 414	5 415	5 095	849	4 233	1 590	5 651
100 to 199 ……farms, 1987	3	8	39	42	5	54	9	44
1982	3	18	39	43	3	68	11	60
number, 1987	(D)	1 096	5 279	5 391	(D)	7 384	1 218	6 066
1982	(D)	(D)	(D)	(D)	(D)	9 095	(D)	(D)
200 to 499 ……farms, 1987	3	13	10	16	1	35	9	17
1982	2	14	8	20	3	33	8	21
number, 1987	656	3 613	3 438	4 609	(D)	(D)	2 335	(D)
1982	(D)	3 759	2 316	5 563	885	8 449	2 682	5 582
500 or more ……farms, 1987	-	-	-	3	3	2	3	2
1982	-	1	1	1	2	-	2	1
number, 1987	-	-	-	1 804	3 400	(D)	2 147	(D)
1982	-	(D)	(D)	(D)	(D)	-	(D)	(D)
Cows and heifers that had calved ……farms, 1987	42	107	314	234	112	167	108	304
1982	72	169	372	319	131	224	114	385
number, 1987	831	3 521	8 080	8 561	1 340	10 167	1 689	10 141
1982	1 002	4 438	8 900	9 966	1 558	11 525	1 863	11 597
Beef cows ……farms, 1987	34	50	181	110	99	37	68	146
1982	52	78	226	127	113	56	68	164
number, 1987	443	496	2 051	1 465	923	970	343	1 382
1982	408	585	2 740	1 690	908	931	626	1 236
1987 farms by inventory:								
1 to 9 ……farms	20	27	100	64	63	19	59	93
number	64	112	441	246	265	81	196	402
10 to 19 ……farms	9	18	52	24	22	8	8	33
number	122	222	679	322	270	123	(D)	410
20 to 49 ……farms	3	4	25	17	13	5	-	19
number	(D)	(D)	691	511	(D)	140	-	(D)
50 to 99 ……farms	1	1	4	4	1	3	1	1
number	(D)	(D)	240	(D)	(D)	(D)	(D)	(D)
100 to 199 ……farms	1	-	-	1	-	1	-	-
number	(D)	-	-	(D)	-	(D)	-	-
200 to 499 ……farms	-	-	-	-	-	1	-	-
number	-	-	-	-	-	(D)	-	-
500 or more ……farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Milk cows ……farms, 1987	16	64	143	137	19	134	42	170
1982	30	104	176	213	29	178	58	245
number, 1987	388	3 025	6 029	7 096	417	9 197	1 346	8 759
1982	594	3 853	6 160	8 276	650	10 594	1 237	10 361
1987 farms by inventory:								
1 to 9 ……farms	8	11	10	15	6	8	14	20
number	14	53	35	42	14	19	38	81
10 to 19 ……farms	2	8	33	7	5	5	3	20
number	(D)	125	468	103	73	80	48	285
20 to 49 ……farms	3	27	53	58	6	31	16	63
number	102	862	1 629	2 060	(D)	1 061	594	2 108
50 to 99 ……farms	1	8	37	43	2	59	8	46
number	(D)	539	2 490	2 697	(D)	3 994	(D)	3 011
100 to 199 ……farms	2	9	10	11	-	29	1	16
number	(D)	(D)	1 407	1 533	-	(D)	(D)	1 962
200 to 499 ……farms	-	1	-	3	-	2	-	5
number	-	(D)	-	661	-	(D)	-	1 312
500 or more ……farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Heifers and heifer calves ……farms, 1987	33	110	297	219	111	170	107	297
1982	57	166	363	297	124	226	133	418
number, 1987	529	2 746	6 365	7 826	2 414	9 504	1 272	6 903
1982	681	3 945	7 643	8 497	3 157	9 687	1 406	9 083
Steers, steer calves, bulls, and bull calves ……farms, 1987	35	99	308	191	122	142	165	322
1982	72	185	393	272	145	194	235	467
number, 1987	209	1 630	3 122	2 249	3 156	1 950	5 881	5 311
1982	392	3 614	4 132	2 869	4 280	2 665	6 280	5 392

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
INVENTORY								
Cattle and calves farms, 1987	60	192	363	160	237	188	78	304
1982	72	246	451	213	291	216	101	402
number, 1987	2 607	11 658	19 977	5 119	12 490	14 074	3 255	18 264
1982	3 261	13 359	22 761	6 371	13 417	14 498	3 801	22 518
Farms by inventory:								
1 to 9 farms, 1987	13	60	75	78	77	41	10	67
1982	12	73	140	97	70	31	17	78
number, 1987	49	264	331	318	355	178	35	356
1982	44	344	694	424	318	162	73	408
10 to 19 farms, 1987	11	35	76	27	47	26	18	59
1982	14	47	76	44	70	27	23	55
number, 1987	151	437	1 020	361	621	369	256	796
1982	180	634	1 024	588	1 005	378	304	788
20 to 49 farms, 1987	20	48	95	26	43	43	28	61
1982	25	56	94	41	83	80	38	130
number, 1987	643	1 522	3 040	773	1 389	1 402	877	2 651
1982	816	1 807	2 767	1 260	2 498	2 444	1 181	3 960
50 to 99 farms, 1987	11	20	61	18	36	35	11	39
1982	15	31	70	17	31	34	15	79
number, 1987	(D)	1 426	4 065	1 291	2 534	2 274	866	2 663
1982	1 070	2 109	4 870	1 152	2 234	2 245	953	5 593
100 to 199 farms, 1987	2	11	30	8	22	25	8	32
1982	3	25	50	9	23	25	6	38
number, 1987	(D)	1 509	4 109	1 024	2 888	3 701	(D)	4 318
1982	423	3 250	(D)	(D)	(D)	(D)	(D)	(D)
200 to 499 farms, 1987	3	15	25	5	9	18	1	25
1982	3	11	19	4	13	18	2	23
number, 1987	760	4 223	(D)	1 352	2 640	6 150	(D)	(D)
1982	728	2 965	4 530	1 160	3 612	5 123	(D)	6 220
500 or more farms, 1987	-	3	1	-	3	-	-	1
1982	-	3	2	1	1	1	-	1
number, 1987	-	2 277	(D)	-	2 083	-	-	(D)
1982	-	2 250	(D)	(D)	(D)	(D)	-	(D)
Cows and heifers that had calved farms, 1987	46	129	293	118	159	148	59	261
1982	60	186	348	154	206	182	83	354
number, 1987	1 246	4 634	8 764	2 564	4 137	5 838	1 505	9 105
1982	1 741	5 255	9 999	2 906	4 466	5 798	1 725	11 252
Beef cows farms, 1987	27	78	137	98	100	82	37	161
1982	38	100	186	124	134	110	56	205
number, 1987	334	736	1 172	1 532	1 254	1 236	785	2 387
1982	423	666	1 560	1 795	1 482	1 550	983	3 158
1987 farms by inventory:								
1 to 9 farms	13	51	92	60	59	39	12	80
number	67	185	373	247	267	196	72	358
10 to 19 farms	10	21	33	16	26	23	14	45
number	147	262	457	225	359	320	220	594
20 to 49 farms	4	5	12	17	11	15	7	28
number	120	(D)	342	435	310	428	212	832
50 to 99 farms	-	-	-	2	3	5	3	8
number	-	-	-	(D)	(D)	292	(D)	603
100 to 199 farms	-	1	-	1	1	-	1	-
number	-	(D)	-	(D)	(D)	-	(D)	-
200 to 499 farms	-	-	-	2	-	-	-	-
number	-	-	-	(D)	-	-	-	-
500 or more farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Milk cows farms, 1987	22	62	169	30	61	75	23	120
1982	32	103	184	46	93	89	37	172
number, 1987	912	3 898	7 592	1 032	2 883	4 602	720	6 718
1982	1 318	4 589	8 439	1 111	2 984	4 246	742	8 094
1987 farms by inventory:								
1 to 9 farms	6	9	17	14	14	5	6	20
number	(D)	15	57	39	30	11	19	45
10 to 19 farms	2	5	22	-	5	4	2	10
number	(D)	85	304	-	67	61	(D)	128
20 to 49 farms	6	23	77	5	20	26	12	41
number	210	728	2 358	202	651	850	423	1 315
50 to 99 farms	5	14	30	10	14	26	2	26
number	277	1 004	2 046	(D)	893	1 736	(D)	1 868
100 to 199 farms	3	8	23	1	7	13	1	20
number	380	1 038	2 827	(D)	(D)	(D)	(D)	2 662
200 to 499 farms	-	2	-	-	1	1	-	3
number	-	(D)	-	-	(D)	(D)	-	700
500 or more farms	-	1	-	-	-	-	-	-
number	-	(D)	-	-	-	-	-	-
Heifers and heifer calves farms, 1987	48	139	287	86	166	140	64	245
1982	54	182	362	151	210	176	82	335
number, 1987	903	3 728	6 815	1 330	3 657	5 579	1 046	6 889
1982	1 142	4 316	7 958	2 107	3 741	5 634	1 197	7 826
Steers, steer calves, bulls, and bull calves farms, 1987	48	153	263	117	189	156	64	240
1982	57	201	343	182	248	192	89	344
number, 1987	458	3 296	4 398	1 225	4 696	2 657	704	2 270
1982	378	3 788	4 804	1 358	5 210	3 068	879	3 440

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
INVENTORY								
Cattle and calves ... farms, 1987	54	66	607	193	14	317	422	303
1982	60	82	788	224	20	406	573	396
number, 1987	2 740	3 183	40 843	9 669	326	14 622	16 422	14 045
1982	3 501	4 034	48 225	10 596	321	15 543	22 094	16 316
Farms by inventory:								
1 to 9 ... farms, 1987	8	9	146	26	5	102	138	103
1982	10	11	219	33	7	150	183	137
number, 1987	34	35	732	153	24	440	687	516
1982	39	(D)	1 113	201	35	691	888	649
10 to 19 ... farms, 1987	7	11	115	39	4	61	83	53
1982	6	9	116	50	6	65	126	61
number, 1987	103	165	1 573	560	61	836	1 185	723
1982	75	129	1 606	699	79	877	1 757	851
20 to 49 ... farms, 1987	20	23	119	67	4	75	106	78
1982	22	35	180	81	7	100	148	117
number, 1987	668	770	3 623	2 003	(D)	2 384	3 068	2 431
1982	732	1 100	5 712	2 678	207	3 077	4 531	3 519
50 to 99 ... farms, 1987	12	15	97	42	-	42	62	40
1982	12	22	118	36	-	54	75	44
number, 1987	803	961	6 838	2 901	-	3 020	4 091	2 803
1982	866	1 401	8 177	2 414	-	3 747	4 944	3 059
100 to 199 ... farms, 1987	6	7	81	12	1	24	22	21
1982	6	2	108	14	-	26	27	24
number, 1987	(D)	(D)	11 003	1 578	(D)	3 237	3 073	2 811
1982	895	(D)	14 336	1 919	-	(D)	(D)	(D)
200 to 499 ... farms, 1987	1	1	39	6	-	12	9	7
1982	4	2	38	10	-	10	12	11
number, 1987	(D)	(D)	10 268	(D)	-	(D)	(D)	(D)
1982	894	(D)	10 131	2 685	-	2 865	3 508	2 871
500 or more ... farms, 1987	-	-	10	1	-	1	2	1
1982	-	1	9	-	-	1	2	2
number, 1987	-	-	6 801	(D)	-	(D)	(D)	(D)
1982	-	(D)	7 150	-	-	(D)	(D)	(D)
Cows and heifers that had calved ... farms, 1987	43	43	406	162	14	195	327	206
1982	51	63	555	188	19	260	456	265
number, 1987	1 274	1 022	14 783	4 330	(D)	4 989	6 096	5 234
1982	1 660	1 477	19 098	4 784	163	5 981	10 364	5 943
Beef cows ... farms, 1987	14	21	211	118	14	115	229	110
1982	17	33	289	136	17	141	302	151
number, 1987	477	261	2 266	1 985	(D)	814	2 198	1 401
1982	554	630	4 155	2 288	160	1 352	4 818	1 726
1987 farms by inventory:								
1 to 9 ... farms	4	7	131	44	8	92	146	55
number	12	23	591	224	25	350	661	235
10 to 19 ... farms	3	8	53	42	5	14	52	31
number	38	101	725	604	75	194	675	423
20 to 49 ... farms	3	6	23	27	-	8	29	21
number	102	137	637	794	-	(D)	(D)	582
50 to 99 ... farms	3	-	3	5	-	1	1	3
number	(D)	-	(D)	363	-	(D)	(D)	161
100 to 199 ... farms	1	-	1	-	1	-	1	-
number	(D)	-	(D)	-	(D)	-	(D)	-
200 to 499 ... farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
500 or more ... farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Milk cows ... farms, 1987	31	22	205	51	-	85	118	105
1982	37	34	289	66	3	129	186	135
number, 1987	797	761	12 517	2 345	-	4 175	3 898	3 833
1982	1 106	847	14 943	2 496	3	4 629	5 546	4 217
1987 farms by inventory:								
1 to 9 ... farms	4	1	17	10	-	8	27	46
number	13	(D)	41	41	-	18	(D)	193
10 to 19 ... farms	11	5	18	7		8	12	15
number	162	(D)	228	105	-	113	(D)	213
20 to 49 ... farms	14	11	49	19	-	37	55	25
number	(D)	325	1 734	636	-	1 222	1 754	869
50 to 99 ... farms	1	5	85	10	-	20	17	10
number	(D)	350	5 630	693	-	1 331	1 110	758
100 to 199 ... farms	1	-	33	3	-	12	7	7
number	(D)	-	4 161	(D)	-	1 491	799	(D)
200 to 499 ... farms	-	-	3	2	-	-	-	1
number	-	-	723	(D)	-	-	-	(D)
500 or more ... farms	-	-	-	-	-	-	-	1
number	-	-	-	-	-	-	-	(D)
Heifers and heifer calves ... farms, 1987	42	47	409	145	11	177	299	216
1982	48	63	562	183	13	238	437	278
number, 1987	736	810	13 650	2 595	(D)	4 248	4 734	4 367
1982	1 101	825	15 977	3 134	66	4 386	6 462	5 403
Steers, steer calves, bulls, and bull calves ... farms, 1987	47	59	455	160	12	248	328	263
1982	55	73	598	201	17	335	451	341
number, 1987	730	1 351	12 410	2 744	57	5 385	5 592	4 444
1982	740	1 732	13 150	2 678	92	5 176	5 268	4 970

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
INVENTORY								
Cattle and calves farms, 1987	772	27	361	421	264	393	44	85
1982	966	36	505	555	382	504	67	119
number, 1987	65 275	1 895	20 691	19 906	10 700	26 113	353	3 152
1982	75 188	1 907	24 463	23 838	11 376	27 051	747	4 549
Farms by inventory:								
1 to 9 farms, 1987	113	3	99	132	110	103	31	24
1982	150	9	162	162	163	172	47	39
number, 1987	480	12	461	615	535	470	99	124
1982	758	35	720	835	696	814	184	177
10 to 19 farms, 1987	99	4	61	82	48	63	9	25
1982	110	9	98	116	73	72	9	23
number, 1987	1 388	58	801	1 096	647	851	120	323
1982	1 493	117	1 350	1 606	1 047	971	122	332
20 to 49 farms, 1987	183	10	73	90	65	88	4	12
1982	224	7	100	138	89	102	8	23
number, 1987	6 035	358	2 321	2 799	2 174	2 719	134	354
1982	7 316	218	3 040	4 388	2 604	3 250	215	767
50 to 99 farms, 1987	155	2	63	58	16	52	-	15
1982	212	3	69	78	33	74	3	24
number, 1987	10 778	(D)	4 509	4 013	1 041	3 630	-	1 081
1982	14 995	170	4 926	5 534	2 142	5 195	226	1 692
100 to 199 farms, 1987	143	6	41	35	16	59	-	8
1982	188	6	50	39	15	55	-	7
number, 1987	19 442	882	5 682	4 782	2 085	8 450	-	(D)
1982	24 673	(D)	6 786	(D)	(D)	(D)	-	883
200 to 499 farms, 1987	69	2	22	22	7	26	-	1
1982	75	2	23	20	8	27	-	3
number, 1987	19 250	(D)	(D)	(D)	(D)	(D)	-	(D)
1982	20 114	(D)	5 708	4 902	1 986	7 663	-	696
500 or more farms, 1987	10	-	2	2	2	2	-	-
1982	7	-	3	2	1	2	-	-
number, 1987	7 902	-	(D)	(D)	(D)	(D)	-	-
1982	5 839	-	1 933	(D)	(D)	(D)	-	-
Cows and heifers that had calved farms, 1987	564	22	251	281	170	237	31	61
1982	750	31	353	388	262	336	48	89
number, 1987	27 475	1 145	8 915	8 264	3 354	9 139	148	1 363
1982	33 229	1 041	10 494	9 863	4 430	10 646	354	2 165
Beef cows farms, 1987	159	22	127	174	120	135	25	40
1982	223	27	187	238	184	208	40	51
number, 1987	1 904	(D)	1 617	1 844	1 424	1 672	123	452
1982	2 338	(D)	2 169	2 408	2 205	2 459	(D)	647
1987 farms by inventory:								
1 to 9 farms	90	4	83	109	73	81	21	25
number	380	(D)	391	450	335	380	60	110
10 to 19 farms	40	5	22	44	32	27	3	7
number	536	72	291	526	473	364	(D)	93
20 to 49 farms	24	4	19	16	12	22	1	7
number	634	133	622	459	358	632	(D)	(D)
50 to 99 farms	4	6	2	3	2	5	-	1
number	(D)	429	(D)	(D)	(D)	296	-	(D)
100 to 199 farms	1	3	-	2	1	-	-	-
number	(D)	415	-	(D)	(D)	-	-	-
200 to 499 farms	-	-	1	-	-	-	-	-
number	-	-	(D)	-	-	-	-	-
500 or more farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Milk cows farms, 1987	430	2	129	118	56	114	6	22
1982	565	4	179	187	95	147	11	40
number, 1987	25 571	(D)	7 298	6 420	1 930	7 467	25	911
1982	30 891	(D)	8 325	7 455	2 225	8 187	(D)	1 518
1987 farms by inventory:								
1 to 9 farms	24	-	13	13	20	14	5	4
number	84	-	27	28	43	44	(D)	14
10 to 19 farms	28	-	9	9	5	3	1	1
number	422	-	119	120	80	42	(D)	(D)
20 to 49 farms	166	2	50	46	15	28	-	10
number	5 277	(D)	1 713	1 654	416	905	-	(D)
50 to 99 farms	145	-	35	29	10	45	-	6
number	9 920	-	2 390	2 016	699	3 062	-	399
100 to 199 farms	55	-	20	18	6	23	-	1
number	6 914	-	(D)	1 895	692	(D)	-	(D)
200 to 499 farms	12	-	2	3	-	1	-	-
number	2 954	-	(D)	707	-	(D)	-	-
500 or more farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Heifers and heifer calves farms, 1987	575	19	235	287	170	254	20	62
1982	799	24	332	378	276	308	35	93
number, 1987	22 530	321	6 804	6 283	3 091	7 956	94	973
1982	27 701	371	7 998	7 586	3 243	7 827	156	1 486
Steers, steer calves, bulls, and bull calves farms, 1987	603	25	289	351	215	328	34	70
1982	774	31	414	477	332	421	48	106
number, 1987	15 270	429	4 972	5 359	4 255	9 018	111	816
1982	14 258	495	5 971	6 389	3 703	8 578	237	898

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
SALES								
Dairy products sold	farms, 1987	5 951	15	15	224	59	25	51
	1982	7 583	30	26	273	69	34	66
	$1,000, 1987	568 249	1 225	1 022	25 704	4 700	2 380	4 239
	1982	613 059	1 867	1 367	27 082	5 235	3 003	4 447
Cattle and calves sold	farms, 1987	18 164	133	38	611	239	92	112
	1982	22 849	205	43	741	271	110	154
	number, 1987	653 806	3 616	872	29 402	5 044	2 787	2 262
	1982	642 060	4 454	1 067	29 514	4 253	3 634	3 486
	$1,000, 1987	320 270	1 501	406	13 060	1 894	1 369	936
	1982	295 881	1 625	335	13 285	1 436	1 613	1 305
1987 farms by number sold:								
1 to 9	farms	7 768	42	15	243	92	37	47
	number	34 726	207	59	1 178	410	161	252
10 to 19	farms	3 856	44	8	121	73	24	31
	number	52 498	591	117	1 679	979	320	428
20 to 49	farms	4 109	28	10	137	54	18	24
	number	124 021	809	320	4 134	1 582	556	709
50 to 99	farms	1 483	14	4	57	14	8	8
	number	99 841	(D)	(D)	3 930	960	570	(D)
100 to 199	farms	576	1	1	31	5	3	1
	number	76 663	(D)	(D)	4 181	(D)	(D)	(D)
200 to 499	farms	240	4	-	13	1	2	1
	number	66 413	941	-	3 466	(D)	(D)	(D)
500 or more	farms	132	-	-	9	-	-	-
	number	199 644	-	-	10 834	-	-	-
Calves sold	farms, 1987	8 447	69	18	325	128	44	60
	1982	10 740	111	25	362	136	50	73
	number, 1987	183 302	1 004	247	15 721	1 725	670	757
	1982	175 360	1 422	375	13 136	1 629	848	1 351
	$1,000, 1987	34 569	232	48	4 663	265	104	126
	1982	27 742	317	41	3 124	288	95	227
1987 farms by number sold:								
1 to 9	farms	3 969	31	7	155	72	22	34
	number	16 381	125	39	694	288	93	170
10 to 19	farms	2 063	23	6	71	29	12	15
	number	26 954	293	73	890	384	149	200
20 to 49	farms	1 814	11	5	58	22	8	7
	number	51 458	263	135	1 677	629	(D)	181
50 to 99	farms	426	4	-	20	4	1	4
	number	26 973	323	-	1 186	(D)	(D)	206
100 to 199	farms	91	-	-	6	1	1	-
	number	11 648	-	-	659	(D)	(D)	-
200 to 499	farms	36	-	-	7	-	-	-
	number	10 077	-	-	2 044	-	-	-
500 or more	farms	28	-	-	8	-	-	-
	number	39 811	-	-	8 571	-	-	-
Cattle sold	farms, 1987	16 208	117	37	523	208	81	98
	1982	20 499	173	39	667	241	96	139
	number, 1987	470 504	2 612	625	13 681	3 319	2 117	1 505
	1982	466 700	3 032	712	16 378	2 624	2 786	2 135
	$1,000, 1987	285 702	1 269	358	8 397	1 629	1 265	810
	1982	268 138	1 307	294	10 161	1 148	1 519	1 078
1987 farms by number sold:								
1 to 9	farms	8 525	57	20	257	116	39	52
	number	35 860	244	86	1 228	547	167	234
10 to 19	farms	3 416	25	8	111	46	21	21
	number	45 351	306	104	1 456	580	262	279
20 to 49	farms	2 793	22	6	95	38	13	19
	number	82 036	706	177	2 719	1 062	411	566
50 to 99	farms	861	9	3	35	3	5	3
	number	56 843	603	256	2 306	223	356	(D)
100 to 199	farms	341	2	-	19	4	1	-
	number	45 482	(D)	-	2 522	(D)	(D)	-
200 to 499	farms	173	2	-	5	1	2	1
	number	49 385	(D)	-	(D)	(D)	(D)	(D)
500 or more	farms	99	-	-	1	-	-	-
	number	155 547	-	-	(D)	-	-	-
Cattle fattened on grain and concentrates sold	farms, 1987	7 067	18	10	239	63	19	37
	1982	9 025	28	9	323	80	35	60
	number, 1987	281 674	128	39	7 538	416	977	822
	1982	278 412	271	44	9 100	507	1 437	678
	$1,000, 1987	187 767	74	23	4 978	248	897	400
	1982	173 440	164	15	5 699	281	913	413
1987 farms by number sold:								
1 to 9	farms	4 162	14	9	139	48	13	22
	number	16 265	51	(D)	579	162	47	102
10 to 19	farms	1 204	2	1	38	9	2	9
	number	15 894	(D)	(D)	519	111	(D)	123
20 to 49	farms	993	2	-	33	6	2	5
	number	29 319	(D)	-	951	143	(D)	(D)
50 to 99	farms	337	-	-	14	-	-	-
	number	22 176	-	-	927	-	-	-
100 to 199	farms	166	-	-	10	-	-	-
	number	22 382	-	-	1 384	-	-	-
200 to 499	farms	120	-	-	4	-	2	1
	number	34 561	-	-	(D)	-	(D)	(D)
500 or more	farms	85	-	-	1	-	-	-
	number	141 277	-	-	(D)	-	-	-

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
SALES								
Dairy products sold	farms, 1987	16	124	29	4	42	101	106
	1982	17	162	36	6	51	151	132
	$1,000, 1987	(D)	13 312	2 296	(D)	2 635	7 217	8 810
	1982	593	15 664	2 157	216	3 117	7 105	11 270
Cattle and calves sold	farms, 1987	41	432	107	42	209	337	442
	1982	43	515	123	41	262	415	552
	number, 1987	601	11 619	1 665	1 159	3 489	12 796	12 003
	1982	682	11 138	1 678	820	2 997	15 853	16 401
	$1,000, 1987	243	4 789	671	698	1 648	7 520	6 320
	1982	206	4 259	690	439	1 258	9 315	7 618
1987 farms by number sold:								
1 to 9	farms	23	194	61	25	120	180	216
	number	123	816	243	92	506	784	961
10 to 19	farms	10	99	23	4	48	65	103
	number	154	1 323	299	51	646	851	1 383
20 to 49	farms	5	83	14	5	31	61	73
	number	152	2 459	430	144	851	1 772	2 213
50 to 99	farms	3	34	8	4	7	23	29
	number	172	2 498	(D)	309	418	1 572	2 040
100 to 199	farms	-	12	1	4	2	5	14
	number	-	1 675	(D)	563	(D)	796	1 882
200 to 499	farms	-	9	-	-	-	1	4
	number	-	(D)	-	-	-	(D)	1 093
500 or more	farms	-	1	-	-	1	2	3
	number	-	(D)	-	-	(D)	(D)	2 431
Calves sold	farms, 1987	25	219	52	19	84	154	165
	1982	23	278	51	18	79	180	238
	number, 1987	209	4 713	645	120	751	1 830	1 974
	1982	335	4 786	518	102	798	1 660	5 659
	$1,000, 1987	44	924	84	31	127	294	352
	1982	44	795	65	14	101	226	1 479
1987 farms by number sold:								
1 to 9	farms	20	102	33	14	58	92	99
	number	(D)	429	136	36	210	344	432
10 to 19	farms	2	54	10	4	18	29	37
	number	(D)	705	130	(D)	245	346	483
20 to 49	farms	3	42	7	1	7	30	23
	number	88	1 071	(D)	(D)	(D)	900	616
50 to 99	farms	-	13	2	-	-	2	4
	number	-	889	(D)	-	-	(D)	(D)
100 to 199	farms	-	4	-	-	1	1	2
	number	-	490	-	-	(D)	(D)	(D)
200 to 499	farms	-	4	-	-	-	-	-
	number	-	1 129	-	-	-	-	-
500 or more	farms	-	-	-	-	-	-	-
	number	-	-	-	-	-	-	-
Cattle sold	farms, 1987	37	385	88	36	186	294	399
	1982	36	449	106	38	241	373	484
	number, 1987	392	6 906	1 020	1 039	2 738	10 966	10 029
	1982	347	6 352	1 160	718	2 199	14 193	10 742
	$1,000, 1987	199	3 865	507	666	1 521	7 227	5 968
	1982	162	3 464	626	425	1 157	9 089	6 139
1987 farms by number sold:								
1 to 9	farms	25	227	58	20	126	183	216
	number	96	920	202	68	496	811	890
10 to 19	farms	6	73	14	6	30	51	97
	number	91	945	167	(D)	387	658	1 289
20 to 49	farms	5	49	11	2	24	42	45
	number	(D)	1 381	312	(D)	681	1 230	1 399
50 to 99	farms	1	26	5	4	4	12	24
	number	(D)	1 733	339	276	(D)	827	1 587
100 to 199	farms	-	6	-	4	1	3	10
	number	-	951	-	563	(D)	419	1 342
200 to 499	farms	-	4	-	-	-	1	4
	number	-	976	-	-	-	(D)	1 091
500 or more	farms	-	-	-	-	1	2	3
	number	-	-	-	-	(D)	(D)	2 431
Cattle fattened on grain and concentrates sold	farms, 1987	5	137	52	21	105	146	213
	1982	11	185	58	15	140	165	254
	number, 1987	27	2 779	554	630	994	8 585	6 333
	1982	51	2 899	701	518	1 213	10 661	7 526
	$1,000, 1987	10	1 744	336	586	577	5 959	4 210
	1982	21	1 698	410	337	677	7 468	4 684
1987 farms by number sold:								
1 to 9	farms	4	83	36	12	71	97	131
	number	(D)	272	131	44	281	422	527
10 to 19	farms	1	25	7	2	20	21	35
	number	(D)	315	84	(D)	263	279	475
20 to 49	farms	-	13	7	1	11	21	25
	number	-	374	(D)	(D)	290	619	740
50 to 99	farms	-	11	2	2	3	4	11
	number	-	(D)	(D)	(D)	160	244	753
100 to 199	farms	-	2	-	4	-	-	6
	number	-	(D)	-	563	-	-	(D)
200 to 499	farms	-	3	-	-	-	1	2
	number	-	759	-	-	-	(D)	(D)
500 or more	farms	-	-	-	-	-	2	3
	number	-	-	-	-	-	(D)	2 431

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
SALES							
Dairy products sold farms, 1987	42	26	17	61	52	187	-
1982	56	38	24	80	60	216	-
$1,000, 1987	2 832	1 983	2 638	2 843	4 231	26 453	-
1982	3 593	2 400	2 502	3 372	4 834	24 855	-
Cattle and calves sold farms, 1987	232	122	91	177	159	434	7
1982	315	165	134	219	183	583	10
number, 1987	7 638	2 106	2 695	3 995	5 564	16 972	68
1982	7 399	2 493	2 819	3 465	6 053	14 631	48
$1,000, 1987	3 386	762	1 149	1 502	2 437	7 669	30
1982	3 121	736	763	1 069	2 525	6 583	14
1987 farms by number sold:							
1 to 9 farms	118	65	29	65	53	147	2
number	559	309	146	279	218	591	(D)
10 to 19 farms	44	26	17	45	31	76	4
number	578	350	239	669	435	1 019	45
20 to 49 farms	49	21	25	46	42	122	1
number	1 440	642	687	1 457	1 317	3 662	(D)
50 to 99 farms	13	8	15	14	19	57	-
number	812	(D)	978	905	1 355	3 978	-
100 to 199 farms	4	2	5	3	11	23	-
number	(D)	(D)	645	(D)	1 411	3 017	-
200 to 499 farms	1	-	-	1	3	6	-
number	(D)	-	-	(D)	828	1 564	-
500 or more farms	3	-	-	-	-	3	-
number	3 491	-	-	-	-	3 141	-
Calves sold farms, 1987	75	56	52	101	70	213	5
1982	118	110	79	147	88	240	3
number, 1987	2 887	740	960	1 086	1 576	5 252	(D)
1982	2 442	1 102	1 474	1 529	1 336	4 362	(D)
$1,000, 1987	655	145	242	187	259	498	(D)
1982	535	171	225	257	145	444	(D)
1987 farms by number sold:							
1 to 9 farms	36	35	24	59	24	74	4
number	143	139	104	220	106	322	20
10 to 19 farms	17	8	10	26	22	43	1
number	212	114	146	351	317	527	(D)
20 to 49 farms	17	10	15	14	14	73	-
number	468	288	476	(D)	418	2 142	-
50 to 99 farms	2	3	2	2	8	15	-
number	(D)	199	(D)	(D)	(D)	875	-
100 to 199 farms	1	-	1	-	2	6	-
number	(D)	-	(D)	-	(D)	(D)	-
200 to 499 farms	-	-	-	-	-	1	-
number	-	-	-	-	-	(D)	-
500 or more farms	2	-	-	-	-	1	-
number	(D)	-	-	-	-	(D)	-
Cattle sold farms, 1987	209	107	77	159	146	397	5
1982	290	137	112	188	163	537	10
number, 1987	4 751	1 366	1 735	2 909	3 988	11 720	(D)
1982	4 957	1 331	1 345	1 936	4 717	10 269	(D)
$1,000, 1987	2 731	617	907	1 315	2 179	7 172	(D)
1982	2 585	565	538	812	2 381	6 138	(D)
1987 farms by number sold:							
1 to 9 farms	123	65	32	73	62	158	3
number	539	283	139	285	255	648	(D)
10 to 19 farms	35	23	14	44	38	87	2
number	451	306	186	610	566	1 138	(D)
20 to 49 farms	39	14	20	29	27	107	-
number	1 086	397	556	868	801	3 133	-
50 to 99 farms	7	4	9	10	8	28	-
number	490	(D)	(D)	656	601	1 864	-
100 to 199 farms	2	1	2	3	9	10	-
number	(D)	(D)	(D)	490	(D)	1 197	-
200 to 499 farms	1	-	-	-	2	4	-
number	(D)	-	-	-	(D)	1 099	-
500 or more farms	2	-	-	-	-	3	-
number	(D)	-	-	-	-	2 641	-
Cattle fattened on grain and concentrates sold farms, 1987	122	39	21	25	43	189	1
1982	173	41	34	45	45	260	3
number, 1987	2 602	338	486	147	966	6 333	(D)
1982	3 441	326	222	236	1 185	4 840	3
$1,000, 1987	1 497	200	281	95	649	4 242	(D)
1982	1 917	131	86	121	785	3 105	1
1987 farms by number sold:							
1 to 9 farms	74	25	16	22	33	89	-
number	326	97	58	80	144	328	-
10 to 19 farms	20	10	1	1	5	35	1
number	277	128	(D)	(D)	73	442	(D)
20 to 49 farms	21	4	-	2	2	41	-
number	641	113	-	(D)	(D)	1 138	-
50 to 99 farms	4	-	2	-	1	15	-
number	248	-	(D)	-	(D)	993	-
100 to 199 farms	1	-	2	-	-	4	-
number	(D)	-	(D)	-	-	492	-
200 to 499 farms	1	-	-	-	2	3	-
number	(D)	-	-	-	(D)	(D)	-
500 or more farms	1	-	-	-	-	2	-
number	(D)	-	-	-	-	(D)	-

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
SALES							
Dairy products sold .... farms, 1987	57	21	113	32	31	67	6
1982	61	29	142	30	51	57	11
$1,000, 1987	3 773	1 272	7 640	2 106	4 068	2 500	106
1982	3 664	1 511	8 170	2 169	6 824	2 395	216
Cattle and calves sold .... farms, 1987	157	58	416	125	217	236	29
1982	189	77	524	151	297	230	49
number, 1987	3 322	1 006	8 802	2 532	11 638	3 868	193
1982	3 577	1 130	9 625	2 430	12 001	4 341	431
$1,000, 1987	1 175	345	3 934	964	7 145	1 766	62
1982	1 124	290	4 196	758	6 515	1 839	135
1987 farms by number sold:							
1 to 9 .... farms	55	24	202	58	122	112	22
number	245	108	894	273	504	621	94
10 to 19 .... farms	41	12	87	27	38	76	7
number	593	166	1 179	362	501	1 103	99
20 to 49 .... farms	46	21	96	27	33	39	-
number	1 313	(D)	2 943	829	1 068	1 052	-
50 to 99 .... farms	14	1	22	12	16	6	-
number	(D)	(D)	1 491	(D)	1 193	396	-
100 to 199 .... farms	1	-	5	-	2	2	-
number	(D)	-	649	-	(D)	(D)	-
200 to 499 .... farms	-	-	3	1	1	1	-
number	-	-	(D)	(D)	(D)	(D)	-
500 or more .... farms	-	-	1	-	5	-	-
number	-	-	(D)	-	7 757	-	-
Calves sold .... farms, 1987	102	38	191	63	70	125	11
1982	110	52	232	67	113	134	35
number, 1987	1 486	527	2 626	947	1 008	1 206	62
1982	1 648	660	2 603	1 055	1 509	1 257	223
$1,000, 1987	263	89	408	230	138	252	7
1982	297	98	412	200	190	187	40
1987 farms by number sold:							
1 to 9 .... farms	40	15	101	32	36	83	10
number	190	55	431	131	137	408	(D)
10 to 19 .... farms	40	16	49	12	14	31	1
number	511	238	658	139	169	410	(D)
20 to 49 .... farms	19	6	37	15	15	9	-
number	566	(D)	1 023	392	427	(D)	-
50 to 99 .... farms	3	1	2	4	5	2	-
number	219	(D)	(D)	285	275	(D)	-
100 to 199 .... farms	-	-	2	-	-	-	-
number	-	-	(D)	-	-	-	-
200 to 499 .... farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
500 or more .... farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Cattle sold .... farms, 1987	146	47	365	117	194	201	26
1982	180	67	484	134	273	248	42
number, 1987	1 836	479	6 176	1 585	10 630	2 662	131
1982	1 929	470	7 022	1 375	10 492	3 084	208
$1,000, 1987	912	256	3 527	734	7 007	1 515	55
1982	827	193	3 784	558	6 316	1 651	95
1987 farms by number sold:							
1 to 9 .... farms	89	30	212	74	120	120	23
number	359	126	876	294	478	529	81
10 to 19 .... farms	31	8	78	21	32	52	3
number	380	112	1 014	258	415	697	50
20 to 49 .... farms	19	9	53	15	26	25	-
number	606	241	1 496	475	834	688	-
50 to 99 .... farms	7	-	16	6	9	1	-
number	491	-	1 053	(D)	(D)	(D)	-
100 to 199 .... farms	-	-	3	1	1	2	-
number	-	-	352	(D)	(D)	(D)	-
200 to 499 .... farms	-	-	2	-	1	1	-
number	-	-	(D)	-	(D)	(D)	-
500 or more .... farms	-	-	1	-	5	-	-
number	-	-	(D)	-	7 757	-	-
Cattle fattened on grain and concentrates sold .... farms, 1987	31	8	140	26	118	68	9
1982	50	12	212	37	160	98	8
number, 1987	209	55	3 121	208	9 417	1 133	12
1982	415	55	3 514	215	8 404	1 455	15
$1,000, 1987	127	28	1 820	114	6 420	765	6
1982	190	25	2 026	98	5 235	940	8
1987 farms by number sold:							
1 to 9 .... farms	27	6	69	18	82	43	9
number	(D)	(D)	355	57	314	174	12
10 to 19 .... farms	1	1	23	6	14	13	-
number	(D)	(D)	296	(D)	167	183	-
20 to 49 .... farms	3	1	18	2	10	10	-
number	82	(D)	489	(D)	308	(D)	-
50 to 99 .... farms	-	-	5	-	5	-	-
number	-	-	354	-	(D)	-	-
100 to 199 .... farms	-	-	2	-	1	1	-
number	-	-	(D)	-	(D)	(D)	-
200 to 499 .... farms	-	-	2	-	1	1	-
number	-	-	(D)	-	(D)	(D)	-
500 or more .... farms	-	-	1	-	5	-	-
number	-	-	(D)	-	7 757	-	-

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
SALES								
Dairy products sold .... farms, 1987	19	116	140	19	324	111	182	30
1982	23	158	186	50	425	149	215	31
$1,000, 1987	1 659	13 268	12 812	1 063	28 369	14 675	22 763	2 373
1982	2 257	13 504	15 192	1 367	29 090	16 671	21 077	2 377
Cattle and calves sold .... farms, 1987	104	318	410	65	641	358	488	119
1982	138	379	527	98	776	486	591	151
number, 1987	2 290	19 556	17 738	967	67 685	10 648	16 395	5 711
1982	2 833	15 815	16 601	944	52 864	10 081	14 064	6 132
$1,000, 1987	1 231	10 755	10 332	326	42 879	5 269	7 613	2 981
1982	1 391	7 852	8 996	329	30 940	4 494	6 050	2 770
1987 farms by number sold:								
1 to 9 .... farms	38	122	210	30	184	161	176	43
number	185	532	912	109	956	714	790	201
10 to 19 .... farms	26	53	70	19	145	75	100	27
number	382	703	951	255	2 038	1 042	1 364	352
20 to 49 .... farms	27	79	69	14	172	75	115	39
number	774	2 566	2 014	(D)	5 221	2 404	3 534	1 151
50 to 99 .... farms	8	36	30	2	60	24	59	7
number	552	2 449	1 981	(D)	4 052	1 650	3 922	527
100 to 199 .... farms	3	15	20	-	40	17	25	2
number	397	2 216	2 650	-	5 487	2 207	3 272	(D)
200 to 499 .... farms	-	6	7	-	23	4	13	-
number	-	1 814	2 028	-	6 571	(D)	3 513	-
500 or more .... farms	-	7	4	-	16	2	-	1
number	-	9 276	7 202	-	43 360	(D)	-	(D)
Calves sold .... farms, 1987	30	151	172	39	204	132	181	63
1982	48	196	246	56	266	190	228	80
number, 1987	393	3 562	3 436	453	4 111	2 706	4 871	815
1982	682	2 860	3 720	398	4 331	3 079	3 995	760
$1,000, 1987	95	404	606	81	715	350	833	160
1982	115	288	622	38	495	278	419	155
1987 farms by number sold:								
1 to 9 .... farms	13	54	98	20	64	54	47	35
number	57	220	328	80	294	231	210	153
10 to 19 .... farms	9	33	25	11	58	29	48	14
number	(D)	448	306	126	788	367	612	181
20 to 49 .... farms	8	44	33	7	67	34	61	11
number	(D)	1 275	919	(D)	1 748	977	1 732	304
50 to 99 .... farms	-	15	11	1	12	13	20	3
number	-	907	709	(D)	792	(D)	(D)	177
100 to 199 .... farms	-	4	3	-	2	2	2	-
number	-	(D)	(D)	-	(D)	(D)	(D)	-
200 to 499 .... farms	-	1	1	-	1	-	3	-
number	-	(D)	(D)	-	(D)	-	946	-
500 or more .... farms	-	-	1	-	-	-	-	-
number	-	-	(D)	-	-	-	-	-
Cattle sold .... farms, 1987	98	291	365	57	577	328	438	106
1982	130	335	465	91	710	462	533	129
number, 1987	1 897	15 994	14 302	514	63 574	7 942	11 524	4 896
1982	2 151	12 955	12 881	546	48 533	7 002	10 069	5 372
$1,000, 1987	1 136	10 351	9 726	246	42 164	4 919	6 779	2 821
1982	1 276	7 563	8 374	291	30 445	4 215	5 631	2 615
1987 farms by number sold:								
1 to 9 .... farms	47	137	208	39	206	166	188	51
number	208	542	799	135	1 042	688	814	211
10 to 19 .... farms	20	59	64	13	129	64	91	23
number	268	805	841	186	1 744	873	1 225	296
20 to 49 .... farms	23	61	54	4	122	74	98	25
number	649	1 813	1 577	(D)	3 679	2 257	2 850	663
50 to 99 .... farms	5	15	17	1	52	13	39	5
number	375	1 025	1 174	(D)	3 525	875	2 560	(D)
100 to 199 .... farms	3	8	14	-	32	5	14	1
number	397	1 193	1 738	-	4 532	645	1 940	(D)
200 to 499 .... farms	-	4	5	-	20	4	8	-
number	-	1 340	1 559	-	5 785	(D)	2 135	-
500 or more .... farms	-	7	3	-	16	2	-	1
number	-	9 276	6 614	-	43 267	(D)	-	(D)
Cattle fattened on grain and concentrates sold .... farms, 1987	44	144	196	13	306	150	229	28
1982	74	151	220	16	360	226	264	39
number, 1987	1 017	11 665	10 895	54	55 126	3 037	5 994	(D)
1982	1 147	9 513	8 029	53	41 736	2 303	5 247	(D)
$1,000, 1987	686	7 948	7 797	25	37 380	1 811	3 857	(D)
1982	709	6 010	5 483	25	26 941	1 315	3 239	(D)
1987 farms by number sold:								
1 to 9 .... farms	20	82	105	11	86	96	109	19
number	75	329	379	(D)	420	392	449	74
10 to 19 .... farms	12	20	38	2	61	31	47	4
number	167	308	495	(D)	806	397	616	63
20 to 49 .... farms	6	21	28	-	73	15	45	2
number	177	673	783	-	2 281	422	1 340	(D)
50 to 99 .... farms	4	8	11	-	33	3	16	1
number	(D)	556	759	-	2 271	170	1 047	(D)
100 to 199 .... farms	2	5	8	-	24	4	5	1
number	(D)	(D)	1 022	-	3 337	(D)	607	(D)
200 to 499 .... farms	-	2	4	-	14	-	7	-
number	-	(D)	(D)	-	3 954	-	1 935	-
500 or more .... farms	-	6	2	-	15	1	-	1
number	-	8 476	(D)	-	42 057	(D)	-	(D)

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
SALES								
Dairy products sold ... farms, 1987	10	166	83	34	9	166	-	10
1982	9	190	109	50	15	225	1	18
$1,000, 1987	459	16 447	11 525	4 698	642	20 649	-	504
1982	277	15 930	12 656	(D)	548	21 825	(D)	794
Cattle and calves sold ... farms, 1987	56	387	425	196	35	519	-	70
1982	63	492	527	276	46	673	4	78
number, 1987	1 139	14 521	17 227	8 969	386	17 002	-	1 137
1982	1 276	15 801	18 866	10 432	519	15 816	7	656
$1,000, 1987	432	7 380	10 173	4 579	147	7 835	-	439
1982	375	8 236	9 574	5 444	278	6 280	2	296
1987 farms by number sold:								
1 to 9 ... farms	27	135	205	94	22	235	-	41
number	120	663	874	377	90	1 064	-	165
10 to 19 ... farms	14	85	87	43	3	92	-	17
number	206	1 151	1 105	588	36	1 210	-	240
20 to 49 ... farms	8	101	77	31	9	113	-	6
number	267	3 105	2 401	948	(D)	3 409	-	196
50 to 99 ... farms	7	28	30	14	1	47	-	4
number	544	1 868	1 944	(D)	(D)	3 299	-	(D)
100 to 199 ... farms	-	26	19	4	-	19	-	2
number	-	3 618	2 442	(D)	-	2 466	-	(D)
200 to 499 ... farms	-	12	3	5	-	9	-	-
number	-	4 116	690	1 378	-	2 200	-	-
500 or more ... farms	-	-	4	5	-	4	-	-
number	-	-	7 771	4 143	-	3 354	-	-
Calves sold ... farms, 1987	33	204	173	76	16	230	-	31
1982	36	233	223	89	16	315	2	46
number, 1987	394	3 190	2 651	1 703	144	6 247	-	365
1982	657	2 890	3 243	1 075	164	5 331	(D)	326
$1,000, 1987	91	474	371	396	23	1 467	-	73
1982	138	410	438	150	28	588	(D)	51
1987 farms by number sold:								
1 to 9 ... farms	18	85	91	48	9	109	-	17
number	68	343	327	163	43	467	-	55
10 to 19 ... farms	9	64	37	13	6	60	-	9
number	122	826	475	161	(D)	822	-	117
20 to 49 ... farms	6	39	35	10	1	40	-	4
number	204	1 033	1 024	319	(D)	1 088	-	(D)
50 to 99 ... farms	-	14	8	1	-	15	-	1
number	-	(D)	(D)	(D)	-	998	-	(D)
100 to 199 ... farms	-	2	2	2	-	3	-	-
number	-	(D)	(D)	(D)	-	332	-	-
200 to 499 ... farms	-	-	-	2	-	1	-	-
number	-	-	-	(D)	-	(D)	-	-
500 or more ... farms	-	-	-	-	-	2	-	-
number	-	-	-	-	-	(D)	-	-
Cattle sold ... farms, 1987	44	339	368	171	31	479	-	61
1982	48	436	467	257	42	602	3	73
number, 1987	745	11 331	14 576	7 266	242	10 755	-	772
1982	619	12 911	15 623	9 357	355	10 485	(D)	530
$1,000, 1987	341	6 906	9 802	4 183	124	6 368	-	386
1982	237	7 826	9 137	5 294	250	5 692	(D)	247
1987 farms by number sold:								
1 to 9 ... farms	26	159	205	87	21	262	-	42
number	110	716	844	330	81	1 121	-	143
10 to 19 ... farms	9	72	62	40	6	89	-	11
number	131	960	793	548	71	1 149	-	159
20 to 49 ... farms	5	56	61	24	4	82	-	3
number	172	1 870	1 899	740	90	2 482	-	87
50 to 99 ... farms	4	22	23	10	-	24	-	5
number	332	1 476	1 487	(D)	-	1 655	-	383
100 to 199 ... farms	-	18	10	2	-	13	-	-
number	-	2 471	1 283	(D)	-	1 629	-	-
200 to 499 ... farms	-	12	3	4	-	7	-	-
number	-	3 838	674	1 095	-	(D)	-	-
500 or more ... farms	-	-	4	4	-	2	-	-
number	-	-	7 596	3 637	-	(D)	-	-
Cattle fattened on grain and concentrates sold ... farms, 1987	9	135	227	95	10	243	-	17
1982	11	177	240	144	22	295	1	27
number, 1987	64	5 494	9 666	4 618	43	4 865	-	182
1982	31	8 238	10 859	4 873	89	4 916	(D)	187
$1,000, 1987	30	3 974	6 972	3 071	27	3 052	-	93
1982	16	5 371	6 822	3 208	51	2 667	(D)	92
1987 farms by number sold:								
1 to 9 ... farms	6	65	138	59	9	153	-	13
number	16	280	488	218	(D)	611	-	39
10 to 19 ... farms	2	22	34	18	1	43	-	2
number	(D)	297	427	259	(D)	547	-	(D)
20 to 49 ... farms	1	22	35	6	-	24	-	1
number	(D)	690	1 111	171	-	763	-	(D)
50 to 99 ... farms	-	12	10	5	-	13	-	1
number	-	786	719	(D)	-	871	-	(D)
100 to 199 ... farms	-	7	7	1	-	7	-	-
number	-	1 113	908	(D)	-	879	-	-
200 to 499 ... farms	-	7	1	3	-	1	-	-
number	-	2 328	(D)	892	-	(D)	-	-
500 or more ... farms	-	-	2	3	-	2	-	-
number	-	-	(D)	2 587	-	(D)	-	-

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
SALES								
Dairy products sold ... farms, 1987	174	21	100	88	-	20	35	9
1982	218	25	106	104	-	31	70	9
$1,000, 1987	14 203	1 220	13 300	9 826	-	1 816	2 816	228
1982	15 478	1 458	13 333	11 465	-	2 188	4 643	308
Cattle and calves sold ... farms, 1987	511	76	315	272	17	56	135	90
1982	629	104	386	366	16	67	215	117
number, 1987	15 748	3 147	18 238	10 958	763	1 486	2 462	1 739
1982	16 897	4 065	18 493	12 876	1 055	1 553	5 927	1 395
$1,000, 1987	8 716	1 577	9 685	4 874	398	595	1 061	709
1982	8 648	2 359	9 319	6 230	409	503	3 155	534
1987 farms by number sold:								
1 to 9 ... farms	241	33	117	131	6	18	73	49
number	989	141	486	547	16	71	307	247
10 to 19 ... farms	104	18	52	43	1	8	23	18
number	1 349	233	705	575	(D)	114	294	258
20 to 49 ... farms	124	15	81	54	6	24	31	16
number	3 940	432	2 379	1 592	155	723	1 022	464
50 to 99 ... farms	30	7	27	25	1	4	6	4
number	2 027	426	1 880	1 749	(D)	(D)	(D)	240
100 to 199 ... farms	5	1	20	10	2	2	1	2
number	654	(D)	2 823	1 378	(D)	(D)	(D)	(D)
200 to 499 ... farms	3	1	10	6	1	-	1	1
number	827	(D)	2 754	(D)	(D)	-	(D)	(D)
500 or more ... farms	4	1	8	3	-	-	-	-
number	5 962	(D)	7 211	(D)	-	-	-	-
Calves sold ... farms, 1987	236	30	113	125	2	33	55	37
1982	296	46	136	167	6	47	99	45
number, 1987	3 435	406	4 047	3 434	(D)	427	694	336
1982	3 915	538	3 829	3 125	100	671	1 179	395
$1,000, 1987	440	81	760	558	(D)	69	71	63
1982	360	93	678	410	30	131	118	54
1987 farms by number sold:								
1 to 9 ... farms	115	17	33	51	-	14	29	29
number	433	67	132	165	-	68	86	111
10 to 19 ... farms	63	4	27	23	1	13	11	4
number	804	57	346	313	(D)	159	144	50
20 to 49 ... farms	44	8	38	41	1	5	14	3
number	1 273	(D)	1 010	1 229	(D)	(D)	(D)	(D)
50 to 99 ... farms	13	1	9	5	-	1	1	-
number	(D)	(D)	589	294	-	(D)	(D)	-
100 to 199 ... farms	1	-	3	2	-	-	-	1
number	(D)	-	388	(D)	-	-	-	(D)
200 to 499 ... farms	-	-	2	2	-	-	-	-
number	-	-	(D)	(D)	-	-	-	-
500 or more ... farms	-	-	1	1	-	-	-	-
number	-	-	(D)	(D)	-	-	-	-
Cattle sold ... farms, 1987	453	71	281	248	17	47	126	83
1982	581	94	355	334	14	58	194	106
number, 1987	12 313	2 741	14 191	7 524	(D)	1 059	1 768	1 403
1982	12 982	3 467	14 664	9 751	955	882	4 748	1 000
$1,000, 1987	8 276	1 496	8 925	4 316	(D)	526	969	646
1982	8 268	2 266	8 641	5 820	379	372	3 037	480
1987 farms by number sold:								
1 to 9 ... farms	266	38	126	135	7	18	75	51
number	1 127	161	525	532	20	65	299	231
10 to 19 ... farms	99	16	58	55	1	10	26	14
number	1 313	202	784	735	(D)	150	344	193
20 to 49 ... farms	66	11	50	36	5	13	21	12
number	2 096	287	1 578	996	135	349	598	369
50 to 99 ... farms	12	3	21	10	1	5	3	3
number	693	176	1 486	620	(D)	(D)	(D)	190
100 to 199 ... farms	4	1	12	7	2	1	-	3
number	(D)	(D)	1 736	920	(D)	(D)	-	420
200 to 499 ... farms	2	1	7	3	1	-	1	-
number	(D)	(D)	1 913	(D)	(D)	-	(D)	-
500 or more ... farms	4	1	7	2	-	-	-	-
number	5 962	(D)	6 169	(D)	-	-	-	-
Cattle fattened on grain and concentrates sold ... farms, 1987	210	30	184	121	7	8	70	36
1982	274	37	205	145	2	7	94	40
number, 1987	8 945	2 276	11 229	4 567	151	86	826	594
1982	8 969	2 449	11 438	6 438	(D)	29	3 440	403
$1,000, 1987	6 555	1 284	7 422	2 724	89	47	479	303
1982	5 985	1 779	7 033	3 879	(D)	14	2 267	213
1987 farms by number sold:								
1 to 9 ... farms	138	15	90	90	4	5	53	21
number	556	73	337	343	12	(D)	215	72
10 to 19 ... farms	29	7	36	14	1	-	9	7
number	377	91	483	175	(D)	-	105	90
20 to 49 ... farms	31	3	25	9	1	3	7	6
number	1 018	78	796	239	(D)	(D)	(D)	(D)
50 to 99 ... farms	5	2	9	1	1	-	-	-
number	282	(D)	639	(D)	(D)	-	-	-
100 to 199 ... farms	1	1	9	3	-	-	-	2
number	(D)	(D)	1 250	414	-	-	-	(D)
200 to 499 ... farms	2	1	7	2	-	-	1	-
number	(D)	(D)	2 055	(D)	-	-	(D)	-
500 or more ... farms	4	1	6	2	-	-	-	-
number	5 962	(D)	5 669	(D)	-	-	-	-

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
SALES								
Dairy products sold, farms, 1987	8	58	137	130	14	130	34	180
1982	16	84	145	186	15	172	31	218
$1,000, 1987	574	4 644	9 661	11 987	628	16 912	2 183	13 872
1982	775	6 499	9 162	12 616	1 003	17 776	1 984	14 979
Cattle and calves sold, farms, 1987	39	135	355	263	131	202	170	384
1982	59	212	389	331	134	252	224	492
number, 1987	514	3 152	6 879	7 013	5 703	9 082	12 986	10 516
1982	655	5 403	12 365	6 553	7 684	8 478	12 161	8 461
$1,000, 1987	187	1 427	2 797	2 445	3 569	3 357	6 759	4 376
1982	204	2 452	5 398	1 962	4 769	2 997	6 762	3 042
1987 farms by number sold:								
1 to 9, farms	25	57	166	93	75	42	91	152
number	116	268	789	399	373	207	355	653
10 to 19, farms	6	39	88	53	38	28	27	90
number	80	561	1 172	701	511	383	345	1 197
20 to 49, farms	7	25	71	79	13	67	33	98
number	(D)	682	2 088	2 361	(D)	2 146	993	2 862
50 to 99, farms	1	5	22	28	-	51	3	29
number	(D)	376	1 323	1 722	-	3 359	217	1 863
100 to 199, farms	-	8	5	6	1	10	3	9
number	-	(D)	626	710	(D)	1 238	419	1 180
200 to 499, farms	-	1	3	4	1	3	6	3
number	-	(D)	881	1 120	(D)	(D)	1 688	624
500 or more, farms	-	-	-	-	3	1	7	3
number	-	-	-	-	4 100	(D)	8 969	2 137
Calves sold, farms, 1987	24	74	197	163	59	145	56	200
1982	38	124	185	205	64	182	75	252
number, 1987	249	804	2 576	2 977	511	3 743	6 129	4 287
1982	278	1 595	1 961	2 951	494	3 895	(D)	3 009
$1,000, 1987	61	101	395	394	118	449	2 121	958
1982	47	143	248	289	91	350	(D)	357
1987 farms by number sold:								
1 to 9, farms	13	42	109	59	44	30	35	98
number	61	149	447	248	190	121	140	423
10 to 19, farms	8	20	40	47	11	38	9	46
number	101	243	516	612	135	509	111	585
20 to 49, farms	3	9	40	44	3	58	8	44
number	87	213	1 133	1 237	(D)	1 741	(D)	1 154
50 to 99, farms	-	3	8	12	-	16	1	9
number	-	199	460	(D)	-	978	(D)	520
100 to 199, farms	-	-	-	1	1	3	-	4
number	-	-	-	(D)	(D)	394	-	(D)
200 to 499, farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
500 or more, farms	-	-	-	-	-	-	3	1
number	-	-	-	-	-	-	5 581	(D)
Cattle sold, farms, 1987	28	119	310	242	118	186	155	343
1982	53	189	345	313	118	220	203	437
number, 1987	265	2 348	4 303	4 036	5 192	5 339	6 857	6 229
1982	377	3 808	10 384	3 602	7 190	4 583	(D)	5 452
$1,000, 1987	126	1 326	2 402	2 051	3 451	2 908	4 637	3 420
1982	157	2 309	5 150	1 673	4 678	2 647	(D)	2 685
1987 farms by number sold:								
1 to 9, farms	21	59	180	126	82	59	91	185
number	78	240	737	518	339	286	338	739
10 to 19, farms	4	40	77	60	24	42	28	78
number	55	542	1 008	793	318	557	362	975
20 to 49, farms	2	7	41	44	7	61	22	62
number	(D)	219	1 150	1 301	(D)	1 765	655	1 627
50 to 99, farms	1	8	9	6	1	19	2	11
number	(D)	542	567	353	(D)	1 132	(D)	703
100 to 199, farms	-	4	1	4	-	3	2	6
number	-	(D)	(D)	(D)	-	(D)	(D)	752
200 to 499, farms	-	1	2	2	1	1	6	2
number	-	(D)	(D)	(D)	(D)	(D)	1 662	(D)
500 or more, farms	-	-	-	-	3	1	4	1
number	-	-	-	-	4 100	(D)	3 388	(D)
Cattle fattened on grain and concentrates sold, farms, 1987	6	27	108	59	57	26	103	135
1982	21	73	122	63	48	29	148	177
number, 1987	25	995	1 653	709	4 619	260	6 092	2 802
1982	79	2 358	(D)	699	6 657	368	6 232	1 873
$1,000, 1987	13	647	1 038	442	3 194	160	4 240	1 637
1982	36	1 531	(D)	387	4 427	198	4 279	1 072
1987 farms by number sold:								
1 to 9, farms	6	14	79	43	44	16	63	72
number	25	72	327	164	163	58	223	249
10 to 19, farms	-	6	14	4	5	6	12	31
number	-	83	214	51	63	72	148	390
20 to 49, farms	-	1	11	9	4	3	15	22
number	-	(D)	286	262	93	(D)	481	614
50 to 99, farms	-	3	2	2	-	1	2	5
number	-	220	(D)	(D)	-	(D)	(D)	320
100 to 199, farms	-	2	-	1	-	-	2	3
number	-	(D)	-	(D)	-	-	(D)	(D)
200 to 499, farms	-	1	2	-	1	-	5	1
number	-	(D)	(D)	-	(D)	-	1 340	(D)
500 or more, farms	-	-	-	-	3	-	4	1
number	-	-	-	-	(D)	-	3 388	(D)

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
SALES								
Dairy products sold .... farms, 1987	17	59	154	18	50	72	17	107
1982	25	82	154	23	68	76	27	150
$1,000, 1987	1 345	6 699	12 657	1 314	5 153	7 501	1 018	11 034
1982	(D)	7 638	12 847	1 499	4 781	6 154	974	12 764
Cattle and calves sold .... farms, 1987	60	176	341	135	217	173	72	287
1982	68	224	393	183	262	205	92	377
number, 1987	1 245	6 316	9 178	1 704	9 651	5 545	1 311	7 974
1982	1 169	5 553	8 185	2 485	7 840	4 508	1 600	7 369
$1,000, 1987	416	3 497	3 518	786	4 546	2 249	501	2 704
1982	308	2 603	2 792	991	3 369	1 837	515	2 458
1987 farms by number sold:								
1 to 9 .... farms	22	94	149	88	98	54	22	116
number	88	455	698	316	465	302	89	575
10 to 19 .... farms	13	29	79	19	40	29	25	55
number	194	372	1 092	250	521	402	381	777
20 to 49 .... farms	22	28	72	21	40	64	21	70
number	606	727	2 069	619	1 158	1 987	592	2 247
50 to 99 .... farms	1	15	27	5	23	18	4	29
number	(D)	1 052	1 843	(D)	1 487	1 156	249	1 977
100 to 199 .... farms	2	6	10	2	9	6	-	15
number	(D)	956	1 230	(D)	1 155	(D)	-	(D)
200 to 499 .... farms	-	2	2	-	4	1	-	2
number	-	(D)	(D)	-	(D)	(D)	-	(D)
500 or more .... farms	-	2	2	-	3	1	-	-
number	-	(D)	(D)	-	(D)	(D)	-	-
Calves sold .... farms, 1987	40	65	198	59	87	92	36	185
1982	44	100	232	79	120	109	45	213
number, 1987	541	1 320	4 032	535	3 875	1 877	426	3 414
1982	654	1 282	3 065	900	3 421	1 675	475	3 195
$1,000, 1987	78	240	742	83	1 293	274	77	452
1982	96	140	345	164	861	317	56	423
1987 farms by number sold:								
1 to 9 .... farms	15	32	83	39	52	36	14	93
number	48	140	367	125	216	177	58	387
10 to 19 .... farms	14	15	61	11	18	25	17	35
number	186	185	770	129	245	393	208	475
20 to 49 .... farms	11	13	38	8	12	24	4	40
number	307	(D)	1 098	(D)	342	671	(D)	1 084
50 to 99 .... farms	-	2	13	1	3	5	1	14
number	-	(D)	849	(D)	(D)	(D)	(D)	1 070
100 to 199 .... farms	-	3	1	-	-	1	-	3
number	-	474	(D)	-	-	(D)	-	398
200 to 499 .... farms	-	-	1	-	1	1	-	-
number	-	-	(D)	-	(D)	(D)	-	-
500 or more .... farms	-	-	1	-	1	-	-	-
number	-	-	(D)	-	(D)	-	-	-
Cattle sold .... farms, 1987	51	164	284	121	194	154	66	255
1982	55	210	331	172	232	179	86	332
number, 1987	704	4 996	5 146	1 169	5 776	3 668	885	4 560
1982	515	4 271	5 120	1 585	4 419	2 833	1 125	4 174
$1,000, 1987	340	3 257	2 776	703	3 253	1 976	424	2 252
1982	212	2 462	2 447	827	2 508	1 520	459	2 035
1987 farms by number sold:								
1 to 9 .... farms	35	96	174	86	99	64	30	139
number	143	429	749	286	403	343	134	573
10 to 19 .... farms	5	34	54	19	36	33	25	47
number	64	431	707	237	465	456	361	662
20 to 49 .... farms	8	20	39	12	28	39	9	47
number	189	570	1 149	369	780	1 068	(D)	1 460
50 to 99 .... farms	2	8	12	3	16	14	2	17
number	(D)	570	810	(D)	1 012	928	(D)	1 098
100 to 199 .... farms	1	2	4	1	9	2	-	4
number	(D)	(D)	(D)	(D)	1 151	(D)	-	(D)
200 to 499 .... farms	-	3	-	-	5	2	-	1
number	-	1 174	-	-	(D)	(D)	-	(D)
500 or more .... farms	-	1	1	-	1	-	-	-
number	-	(D)	(D)	-	(D)	-	-	-
Cattle fattened on grain and concentrates sold .... farms, 1987	8	84	92	65	86	46	4	61
1982	12	91	130	102	122	60	9	75
number, 1987	146	3 352	2 402	527	3 132	1 364	34	794
1982	53	2 917	2 484	749	2 939	1 173	95	468
$1,000, 1987	76	2 621	1 421	319	1 971	761	16	394
1982	20	1 758	1 138	395	1 837	810	54	247
1987 farms by number sold:								
1 to 9 .... farms	5	52	63	50	42	22	2	43
number	16	211	213	159	175	107	(D)	136
10 to 19 .... farms	1	17	14	5	13	5	2	11
number	(D)	198	198	53	(D)	67	(D)	140
20 to 49 .... farms	1	8	7	10	15	11	-	4
number	(D)	213	249	315	(D)	336	-	102
50 to 99 .... farms	-	3	4	-	5	6	-	2
number	-	228	216	-	280	(D)	-	(D)
100 to 199 .... farms	1	-	3	-	7	-	-	-
number	(D)	-	(D)	-	917	-	-	-
200 to 499 .... farms	-	3	-	-	4	2	-	1
number	-	(D)	-	-	1 139	(D)	-	(D)
500 or more .... farms	-	1	1	-	-	-	-	-
number	-	(D)	(D)	-	-	-	-	-

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
SALES								
Dairy products sold farms, 1987	34	21	200	42	-	81	96	91
1982	32	29	266	50	1	101	135	113
$1,000, 1987	1 569	882	22 800	3 779	-	6 705	5 828	6 016
1982	1 538	(D)	24 738	3 312	(D)	7 004	7 684	6 378
Cattle and calves sold farms, 1987	55	68	584	193	13	276	370	276
1982	55	82	720	210	17	343	503	345
number, 1987	1 884	2 037	40 069	3 545	254	7 828	11 864	5 520
1982	1 491	2 289	30 642	3 830	158	6 788	11 417	6 444
$1,000, 1987	817	872	15 211	1 398	96	4 132	6 492	2 789
1982	486	799	12 987	1 299	47	3 150	5 411	3 104
1987 farms by number sold:								
1 to 9 farms	16	19	219	66	3	120	193	138
number	86	108	1 036	300	(D)	492	830	642
10 to 19 farms	15	19	132	66	8	64	77	71
number	208	250	1 890	959	(D)	929	1 059	976
20 to 49 farms	10	20	133	54	1	61	76	46
number	304	576	4 161	1 582	(D)	1 840	2 180	1 394
50 to 99 farms	8	7	56	4	-	20	12	15
number	528	463	3 670	244	-	1 271	770	986
100 to 199 farms	6	2	21	2	1	8	6	5
number	758	(D)	2 823	(D)	(D)	1 007	804	(D)
200 to 499 farms	-	1	13	1	-	2	4	-
number	-	(D)	3 566	(D)	-	(D)	(D)	-
500 or more farms	-	-	10	-	-	1	2	1
number	-	-	22 923	-	-	(D)	(D)	(D)
Calves sold farms, 1987	39	36	281	96	6	97	167	95
1982	38	43	370	113	7	113	253	118
number, 1987	693	628	19 842	1 097	120	1 712	1 987	1 353
1982	671	501	10 532	1 402	63	1 338	2 715	1 264
$1,000, 1987	160	142	3 375	109	37	171	283	228
1982	87	65	2 124	208	12	127	355	166
1987 farms by number sold:								
1 to 9 farms	17	12	107	56	3	40	89	50
number	74	56	479	256	15	170	314	178
10 to 19 farms	12	14	61	26	2	33	46	19
number	151	179	825	342	(D)	448	609	235
20 to 49 farms	5	7	83	12	-	18	28	22
number	121	(D)	2 458	(D)	-	500	815	598
50 to 99 farms	5	3	17	2	1	5	4	3
number	347	(D)	1 032	(D)	(D)	(D)	249	(D)
100 to 199 farms	-	-	4	-	-	-	-	1
number	-	-	557	-	-	-	-	(D)
200 to 499 farms	-	-	5	-	-	1	-	-
number	-	-	1 550	-	-	(D)	-	-
500 or more farms	-	-	4	-	-	-	-	-
number	-	-	12 941	-	-	-	-	-
Cattle sold farms, 1987	52	58	502	166	13	262	335	249
1982	51	73	648	180	13	317	433	309
number, 1987	1 191	1 409	20 227	2 448	134	6 116	9 877	4 167
1982	820	1 788	20 110	2 428	95	5 450	8 702	5 180
$1,000, 1987	657	730	11 836	1 199	58	3 961	6 209	2 561
1982	399	735	10 863	1 092	35	3 023	5 056	2 938
1987 farms by number sold:								
1 to 9 farms	27	29	234	66	7	143	210	141
number	113	154	1 018	300	25	574	858	635
10 to 19 farms	9	11	128	66	4	55	70	61
number	114	125	1 783	938	(D)	742	925	846
20 to 49 farms	5	10	91	31	2	43	43	33
number	153	282	2 569	840	(D)	1 263	1 004	862
50 to 99 farms	9	6	25	2	-	14	4	11
number	(D)	(D)	1 636	(D)	-	841	250	678
100 to 199 farms	2	1	11	-	-	5	6	2
number	(D)	(D)	(D)	-	-	(D)	832	(D)
200 to 499 farms	-	1	7	1	-	1	3	-
number	-	(D)	(D)	(D)	-	(D)	(D)	-
500 or more farms	-	-	6	-	-	1	2	1
number	-	-	9 979	-	-	(D)	(D)	(D)
Cattle fattened on grain and concentrates sold farms, 1987	12	7	239	63	1	146	159	146
1982	11	18	332	59	4	188	206	169
number, 1987	336	159	11 274	683	(D)	4 439	7 346	2 770
1982	237	172	9 673	713	17	3 327	6 566	2 963
$1,000, 1987	221	103	6 969	392	(D)	3 039	4 972	1 812
1982	177	100	5 537	391	6	2 028	3 945	1 734
1987 farms by number sold:								
1 to 9 farms	5	4	125	32	1	78	116	88
number	20	22	487	136	(D)	334	423	389
10 to 19 farms	2	-	56	21	-	30	19	34
number	(D)	-	802	289	-	418	251	471
20 to 49 farms	2	1	30	10	-	24	15	15
number	(D)	(D)	901	258	-	700	369	411
50 to 99 farms	3	2	13	-	-	9	3	6
number	201	(D)	809	-	-	525	175	373
100 to 199 farms	-	-	4	-	-	3	1	2
number	-	-	(D)	-	-	(D)	(D)	(D)
200 to 499 farms	-	-	6	-	-	1	3	-
number	-	-	(D)	-	-	(D)	720	-
500 or more farms	-	-	5	-	-	1	2	1
number	-	-	6 179	-	-	(D)	(D)	(D)

Table 11. **Cattle and Calves—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
SALES								
Dairy products sold .... farms, 1987..	428	2	124	112	40	105	1	20
1982..	544	3	155	147	60	123	2	35
$1,000, 1987..	42 143	(D)	11 794	10 785	2 919	12 299	(D)	1 530
1982..	47 630	(D)	13 019	11 913	3 236	12 678	(D)	2 066
Cattle and calves sold .... farms, 1987..	748	28	341	389	235	381	29	80
1982..	912	30	448	498	310	467	42	106
number, 1987..	26 736	1 058	8 485	8 719	5 592	16 291	170	1 359
1982..	26 510	1 097	8 796	8 548	6 370	13 530	302	1 771
$1,000, 1987..	11 851	459	3 622	4 082	2 400	8 962	52	534
1982..	10 172	369	3 920	3 865	2 504	7 080	99	611
1987 farms by number sold:								
1 to 9 .... farms..	206	8	148	189	126	147	24	42
number..	987	46	633	770	513	646	79	204
10 to 19 .... farms..	164	2	60	73	54	62	3	15
number..	2 219	(D)	795	995	721	849	(D)	201
20 to 49 .... farms..	252	12	90	78	36	92	2	18
number..	7 782	351	2 694	2 289	1 069	2 816	(D)	573
50 to 99 .... farms..	84	4	34	38	14	51	-	4
number..	5 550	(D)	2 344	2 332	903	3 459	-	(D)
100 to 199 .... farms..	32	2	4	7	2	12	-	1
number..	4 107	(D)	589	956	(D)	1 515	-	(D)
200 to 499 .... farms..	7	-	4	3	1	15	-	-
number..	1 667	-	(D)	(D)	(D)	(D)	-	-
500 or more .... farms..	3	-	1	1	2	2	-	-
number..	4 424	-	(D)	(D)	(D)	(D)	-	-
Calves sold .... farms, 1987..	436	10	169	161	69	136	13	36
1982..	557	16	200	198	128	161	12	64
number, 1987..	8 263	320	2 954	2 476	2 846	2 491	93	504
1982..	9 919	454	2 788	2 427	2 919	2 822	112	814
$1,000, 1987..	974	127	408	367	939	355	19	77
1982..	843	113	297	320	882	294	16	109
1987 farms by number sold:								
1 to 9 .... farms..	150	3	82	82	51	64	9	20
number..	674	13	345	302	191	266	28	72
10 to 19 .... farms..	131	3	40	42	20	20	3	5
number..	1 760	42	529	530	292	265	(D)	60
20 to 49 .... farms..	126	2	37	31	14	38	1	9
number..	3 570	(D)	1 190	918	400	1 101	(D)	(D)
50 to 99 .... farms..	23	2	6	3	2	13	-	2
number..	1 459	(D)	329	189	(D)	(D)	-	(D)
100 to 199 .... farms..	5	-	4	2	-	1	-	-
number..	(D)	-	561	(D)	-	(D)	-	-
200 to 499 .... farms..	1	-	-	1	-	-	-	-
number..	(D)	-	-	(D)	-	-	-	-
500 or more .... farms..	-	-	-	-	2	-	-	-
number..	-	-	-	-	(D)	-	-	-
Cattle sold .... farms, 1987..	674	22	302	358	208	358	22	75
1982..	812	26	402	447	281	429	40	90
number, 1987..	18 473	738	5 531	6 243	2 746	13 800	77	855
1982..	16 591	643	6 008	6 121	3 451	10 708	190	957
$1,000, 1987..	10 877	332	3 213	3 715	1 461	8 607	33	457
1982..	9 329	256	3 623	3 545	1 622	6 786	84	502
1987 farms by number sold:								
1 to 9 .... farms..	287	6	147	206	128	164	21	43
number..	1 330	33	559	837	513	688	(D)	183
10 to 19 .... farms..	150	-	64	62	40	61	1	22
number..	1 916	-	825	840	522	826	(D)	291
20 to 49 .... farms..	166	12	70	62	31	76	-	9
number..	4 896	351	2 011	1 875	874	2 342	-	(D)
50 to 99 .... farms..	48	2	17	21	7	32	-	-
number..	3 096	(D)	1 065	1 259	(D)	2 151	-	-
100 to 199 .... farms..	16	2	2	6	1	9	-	1
number..	2 042	(D)	(D)	(D)	(D)	1 158	-	(D)
200 to 499 .... farms..	5	-	1	-	1	14	-	-
number..	(D)	-	(D)	-	(D)	(D)	-	-
500 or more .... farms..	2	-	1	1	-	2	-	-
number..	(D)	-	(D)	(D)	-	(D)	-	-
Cattle fattened on grain and concentrates sold .... farms, 1987..	215	2	143	184	130	205	9	22
1982..	255	7	195	228	153	258	23	25
number, 1987..	8 966	(D)	2 778	3 454	1 422	9 138	33	309
1982..	7 449	68	3 194	2 989	2 326	7 407	85	171
$1,000, 1987..	6 103	(D)	1 780	2 220	811	6 064	15	207
1982..	4 712	29	2 006	1 875	1 126	5 009	46	93
1987 farms by number sold:								
1 to 9 .... farms..	99	1	83	103	92	99	9	12
number..	425	(D)	308	384	336	424	33	48
10 to 19 .... farms..	37	1	17	33	20	35	-	6
number..	473	(D)	220	436	270	452	-	(D)
20 to 49 .... farms..	49	-	33	35	15	38	-	1
number..	1 506	-	879	1 016	446	1 129	-	(D)
50 to 99 .... farms..	17	-	7	9	2	17	-	-
number..	1 068	-	442	517	(D)	1 174	-	-
100 to 199 .... farms..	8	-	1	3	-	4	-	1
number..	940	-	(D)	(D)	-	499	-	(D)
200 to 499 .... farms..	3	-	1	-	1	10	-	-
number..	(D)	-	(D)	-	(D)	(D)	-	-
500 or more .... farms..	2	-	1	1	-	2	-	-
number..	(D)	-	(D)	(D)	-	(D)	-	-

Table 12. Hogs and Pigs—Inventory, Litters, and Sales: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Item	Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
INVENTORY							
Hogs and pigs ... farms, 1987	5 577	6	1	258	24	25	22
1982	7 433	13	5	352	32	29	32
number, 1987	1 227 069	(D)	(D)	106 994	702	2 570	5 661
1982	1 064 073	314	38	94 435	1 131	1 243	3 769
Farms by inventory:							
1 to 24 ... farms, 1987	2 249	4	1	72	20	14	4
1982	3 776	11	5	120	28	20	20
number, 1987	19 547	58	(D)	654	190	69	14
1982	31 614	(D)	38	1 077	226	113	121
25 to 49 ... farms, 1987	680	-	-	29	-	1	4
1982	899	-	-	39	1	3	2
number, 1987	23 861	-	-	1 022	-	(D)	147
1982	31 378	-	-	1 415	(D)	(D)	(D)
50 to 99 ... farms, 1987	717	-	-	24	1	2	3
1982	794	1	-	48	1	2	2
number, 1987	48 488	-	-	1 583	(D)	(D)	230
1982	53 882	(D)	-	3 318	(D)	(D)	(D)
100 to 199 ... farms, 1987	635	-	-	34	3	-	-
1982	737	1	-	43	-	1	2
number, 1987	86 338	-	-	4 797	(D)	-	-
1982	98 179	(D)	-	5 899	-	(D)	(D)
200 to 499 ... farms, 1987	660	2	-	34	-	8	6
1982	677	-	-	43	1	3	3
number, 1987	196 838	(D)	-	10 650	-	(D)	1 669
1982	203 941	-	-	13 414	(D)	(D)	(D)
500 to 999 ... farms, 1987	352	-	-	25	-	-	4
1982	323	-	-	27	1	-	3
number, 1987	235 932	-	-	16 479	-	-	(D)
1982	219 349	-	-	17 862	(D)	-	2 155
1,000 or more ... farms, 1987	284	-	-	40	-	-	1
1982	227	-	-	32	-	-	-
number, 1987	616 065	-	-	71 809	-	-	(D)
1982	425 730	-	-	51 450	-	-	-
Hogs and pigs used or to be used for breeding ... farms, 1987	3 523	2	1	132	13	18	11
1982	4 690	8	2	202	14	17	13
number, 1987	183 586	(D)	(D)	12 132	149	377	527
1982	155 012	58	(D)	8 337	210	240	319
1987 farms by inventory:							
1 to 24	2 170	2	1	60	11	11	4
25 to 49	506	-	-	16	-	5	2
50 to 99	401	-	-	16	2	2	4
100 or more ... farms	446	-	-	40	-	-	1
number	120 374	-	-	9 892	-	-	(D)
Other hogs and pigs ... farms, 1987	5 176	6	1	246	23	23	21
1982	6 884	12	4	329	28	27	31
number, 1987	1 043 483	(D)	(D)	94 862	553	2 193	5 134
1982	909 061	256	(D)	86 098	921	1 003	3 450
LITTERS							
Litters of pigs farrowed between–							
Dec. 1 of preceding year and Nov. 30 ... farms, 1987	3 714	2	1	140	13	18	11
1982	4 968	8	2	212	14	19	12
number, 1987	252 915	(D)	(D)	18 547	170	498	824
1982	202 755	92	(D)	13 250	211	280	427
Dec. 1 of preceding year and May 31 ... farms, 1987	3 312	2	1	132	11	17	10
1982	4 105	5	2	187	11	16	11
number, 1987	123 621	(D)	(D)	9 434	69	243	454
1982	96 567	36	(D)	6 588	98	120	190
June 1 and Nov. 30 ... farms, 1987	3 316	2	-	133	11	16	10
1982	4 137	6	2	177	8	17	11
number, 1987	129 294	(D)	-	9 113	101	255	370
1982	106 186	56	(D)	6 662	113	160	237
SALES							
Hogs and pigs sold ... farms, 1987	5 603	6	-	266	21	20	22
1982	7 194	9	2	365	24	23	30
number, 1987	2 215 872	(D)	-	229 921	1 573	2 913	10 571
1982	1 734 236	576	(D)	178 251	1 236	1 780	5 762
$1,000, 1987	226 148	(D)	-	23 862	134	282	1 199
1982	182 764	70	(D)	18 810	110	156	671
1987 farms by number sold:							
1 to 24 ... farms	1 672	4	-	50	14	10	4
number	15 772	40	-	500	136	94	15
25 to 49 ... farms	714	-	-	31	2	1	3
number	25 315	-	-	1 073	(D)	(D)	102
50 to 99 ... farms	731	-	-	24	1	1	2
number	51 260	-	-	1 645	(D)	(D)	(D)
100 to 199 ... farms	646	-	-	25	1	3	1
number	88 076	-	-	3 497	(D)	411	(D)
200 to 499 ... farms	791	2	-	42	3	3	4
number	245 294	(D)	-	12 658	1 125	973	1 164
500 to 999 ... farms	504	-	-	22	-	2	5
number	343 525	-	-	15 500	-	(D)	3 348
1,000 or more ... farms	545	-	-	72	-	-	3
number	1 446 630	-	-	195 048	-	-	5 694
Feeder pigs sold ... farms, 1987	1 575	2	-	61	4	12	5
1982	2 184	4	2	104	7	10	3
number, 1987	468 706	(D)	-	42 169	809	(D)	993
1982	388 321	172	(D)	40 317	856	955	565
$1,000, 1987	21 840	(D)	-	2 302	38	(D)	46
1982	19 044	11	(D)	2 224	26	49	31
Hogs and pigs other than feeder pigs sold ... farms, 1987	5 265	6	-	257	21	17	21
1982	6 644	7	1	340	22	19	29
number, 1987	1 747 168	940	-	187 752	764	(D)	9 578
1982	1 345 915	404	(D)	137 934	680	825	5 197
$1,000, 1987	204 308	(D)	-	21 560	96	(D)	1 153
1982	163 720	59	(D)	16 586	84	107	640

Table 12. **Hogs and Pigs—Inventory, Litters, and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
INVENTORY							
Hogs and pigs farms, 1987	1	109	32	13	132	239	157
1982	1	129	67	19	177	256	214
number, 1987	(D)	18 377	1 843	954	21 656	56 792	35 064
1982	(D)	13 244	3 231	(D)	22 989	42 161	28 178
Farms by inventory:							
1 to 24 farms, 1987	1	48	17	10	39	66	62
1982	1	66	38	15	72	104	109
number, 1987	(D)	484	196	103	336	747	607
1982	(D)	554	354	79	563	1 073	1 047
25 to 49 farms, 1987	-	20	6	-	17	37	20
1982	-	23	8	3	22	33	28
number, 1987	-	645	191	-	580	1 344	708
1982	-	831	286	81	797	1 065	949
50 to 99 farms, 1987	-	16	3	1	26	40	20
1982	-	16	9	-	25	39	28
number, 1987	-	1 066	(D)	(D)	1 703	2 633	1 374
1982	-	1 026	663	-	1 663	2 778	1 887
100 to 199 farms, 1987	-	6	1	-	20	48	14
1982	-	7	11	-	31	37	21
number, 1987	-	759	(D)	-	3 027	6 019	2 125
1982	-	961	(D)	-	4 033	4 917	3 212
200 to 499 farms, 1987	-	9	5	1	21	26	25
1982	-	10	1	-	18	25	15
number, 1987	-	2 622	1 119	(D)	5 672	7 995	7 033
1982	-	2 920	(D)	-	5 139	7 386	3 923
500 to 999 farms, 1987	-	5	-	1	7	11	8
1982	-	8	-	-	6	7	5
number, 1987	-	3 075	-	(D)	(D)	8 173	4 575
1982	-	(D)	-	-	4 609	4 311	2 975
1,000 or more farms, 1987	-	5	-	-	2	11	6
1982	-	1	-	1	3	11	8
number, 1987	-	9 726	-	-	(D)	29 881	18 642
1982	-	(D)	-	(D)	6 165	20 631	14 185
Hogs and pigs used or to be used for breeding farms, 1987	-	75	17	9	88	186	97
1982	1	82	36	13	121	181	152
number, 1987	-	2 438	257	157	3 084	9 111	4 840
1982	(D)	1 606	317	124	2 709	6 936	4 084
1987 farms by inventory:							
1 to 24	-	57	15	8	58	116	48
25 to 49	-	6	-	-	13	33	24
50 to 99	-	6	2	-	14	19	15
100 or more farms	-	6	-	1	3	18	10
number	-	1 303	-	(D)	1 111	5 656	2 621
Other hogs and pigs farms, 1987	1	101	31	12	125	219	145
1982	1	118	66	16	168	229	201
number, 1987	(D)	15 939	1 586	797	18 572	47 681	30 224
1982	(D)	11 636	2 914	(D)	20 280	35 225	24 094
LITTERS							
Litters of pigs farrowed between—							
Dec. 1 of preceding year and Nov. 30 farms, 1987	-	78	19	9	99	196	102
1982	1	90	36	13	126	198	161
number, 1987	-	3 565	260	239	4 402	12 013	7 234
1982	(D)	2 182	400	217	4 328	7 844	6 482
Dec. 1 of preceding year and May 31 farms, 1987	-	67	18	8	81	164	91
1982	1	76	34	10	109	158	130
number, 1987	-	1 688	131	110	2 034	5 432	3 694
1982	(D)	1 046	199	100	2 123	3 265	3 171
June 1 and Nov. 30 farms, 1987	-	73	17	5	91	168	95
1982	1	75	31	10	108	164	140
number, 1987	-	1 877	129	129	2 368	6 581	3 540
1982	(D)	1 136	201	117	2 205	4 579	3 311
SALES							
Hogs and pigs sold farms, 1987	-	107	33	15	145	242	158
1982	-	134	67	16	164	263	223
number, 1987	-	27 319	4 243	1 726	50 672	90 209	63 657
1982	-	17 817	5 551	(D)	41 079	64 949	45 410
$1,000, 1987	-	2 584	384	110	5 319	10 090	6 802
1982	-	1 823	612	(D)	4 681	7 324	5 459
1987 farms by number sold:							
1 to 24 farms	-	36	13	9	40	51	43
number	-	328	139	72	386	598	354
25 to 49 farms	-	17	7	3	14	42	22
number	-	580	256	94	514	1 497	806
50 to 99 farms	-	22	4	1	15	37	17
number	-	1 664	323	(D)	1 114	2 609	1 226
100 to 199 farms	-	8	4	1	24	36	16
number	-	1 163	580	(D)	3 157	4 502	2 382
200 to 499 farms	-	13	-	-	27	29	28
number	-	3 934	-	-	7 296	8 617	8 598
500 to 999 farms	-	5	5	-	14	30	21
number	-	3 636	2 945	-	9 475	20 537	13 949
1,000 or more farms	-	6	-	1	11	17	11
number	-	16 014	-	(D)	28 730	51 849	36 342
Feeder pigs sold farms, 1987	-	31	8	4	32	73	49
1982	-	40	20	6	51	79	59
number, 1987	-	8 230	1 023	(D)	8 805	17 219	9 202
1982	-	4 729	1 444	(D)	6 105	8 789	3 640
$1,000, 1987	-	384	50	(D)	406	775	383
1982	-	196	69	(D)	318	421	186
Hogs and pigs other than feeder pigs sold farms, 1987	-	104	30	13	138	226	151
1982	-	121	60	13	152	244	209
number, 1987	-	19 089	3 220	(D)	41 867	72 990	54 455
1982	-	13 088	4 107	(D)	34 974	56 160	41 770
$1,000, 1987	-	2 219	334	(D)	4 913	9 315	6 419
1982	-	1 627	544	(D)	4 363	6 903	5 293

Table 12. **Hogs and Pigs—Inventory, Litters, and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
INVENTORY							
Hogs and pigs farms, 1987	258	14	22	31	39	134	2
1982	[illegible]	26	26	38	58	193	3
number, 1987	168 766	1 045	598	446	7 479	31 191	(D)
1982	150 835	895	263	787	6 282	28 374	(D)
Farms by inventory:							
1 to 24 farms, 1987	69	9	13	26	24	41	2
1982	65	21	23	34	37	67	3
number, 1987	748	57	83	136	181	377	(D)
1982	628	(D)	123	200	336	666	(D)
25 to 49 farms, 1987	21	2	5	2	2	10	-
1982	41	1	2	-	8	35	-
number, 1987	650	(D)	(D)	(D)	(D)	377	-
1982	1 421	(D)	(D)	-	274	1 226	-
50 to 99 farms, 1987	21	-	3	2	5	29	-
1982	29	-	1	2	4	28	-
number, 1987	1 469	-	150	(D)	(D)	1 927	-
1982	2 047	-	(D)	(D)	307	1 892	-
100 to 199 farms, 1987	27	-	1	1	3	16	-
1982	30	2	-	1	4	25	-
number, 1987	3 467	-	(D)	(D)	340	1 981	-
1982	3 920	(D)	-	(D)	(D)	3 165	-
200 to 499 farms, 1987	46	3	-	-	3	15	-
1982	53	2	-	1	2	18	-
number, 1987	13 739	(D)	-	-	(D)	4 642	-
1982	16 093	(D)	-	(D)	(D)	5 357	-
500 to 999 farms, 1987	24	-	-	-	-	14	-
1982	28	-	-	-	1	14	-
number, 1987	17 130	-	-	-	-	9 591	-
1982	20 452	-	-	-	(D)	8 518	-
1,000 or more farms, 1987	50	-	-	-	2	9	-
1982	41	-	-	-	2	6	-
number, 1987	131 563	-	-	-	(D)	12 296	-
1982	106 274	-	-	-	(D)	7 550	-
Hogs and pigs used or to be used for breeding farms, 1987	211	6	13	15	21	97	2
1982	239	14	14	18	40	138	2
number, 1987	38 561	115	125	179	1 230	3 831	(D)
1982	35 198	164	83	156	1 305	3 391	(D)
1987 farms by inventory:							
1 to 24	84	4	12	13	16	59	2
25 to 49	23	1	-	1	1	10	-
50 to 99	21	1	1	1	-	13	-
100 or more farms	83	-	-	-	4	15	-
number	35 494	-	-	-	1 110	2 107	-
Other hogs and pigs farms, 1987	241	14	22	27	34	125	2
1982	258	24	23	31	49	183	3
number, 1987	130 205	930	473	267	6 249	27 360	(D)
1982	115 637	731	200	631	4 977	24 983	(D)
LITTERS							
Litters of pigs farrowed between—							
Dec. 1 of preceding year and Nov. 30 farms, 1987	221	6	13	17	24	105	2
1982	248	15	15	19	41	149	2
number, 1987	42 346	163	113	195	1 667	6 085	(D)
1982	37 108	136	76	184	1 361	5 310	(D)
Dec. 1 of preceding year and May 31 farms, 1987	203	6	11	15	20	89	1
1982	200	9	10	13	33	128	1
number, 1987	20 513	(D)	49	105	785	2 925	(D)
1982	16 574	57	36	86	999	2 827	(D)
June 1 and Nov. 30 farms, 1987	187	4	11	11	22	94	2
1982	210	12	13	15	32	126	1
number, 1987	21 833	(D)	64	90	882	3 160	(D)
1982	20 534	79	40	98	362	2 483	(D)
SALES							
Hogs and pigs sold farms, 1987	263	13	19	21	34	147	2
1982	304	24	20	26	53	205	2
number, 1987	290 506	1 289	554	1 434	11 748	52 060	(D)
1982	227 503	938	534	1 328	8 489	42 201	(D)
$1,000, 1987	32 290	(D)	44	(D)	1 043	5 646	(D)
1982	26 105	96	42	123	939	4 452	(D)
1987 farms by number sold:							
1 to 24 farms	51	7	10	11	13	31	2
number	515	42	100	68	122	328	(D)
25 to 49 farms	24	2	3	4	5	18	-
number	662	(D)	104	134	152	634	-
50 to 99 farms	25	1	6	2	3	27	-
number	1 752	(D)	350	(D)	(D)	1 952	-
100 to 199 farms	27	1	-	2	2	24	-
number	3 586	(D)	-	(D)	(D)	3 225	-
200 to 499 farms	36	1	-	1	7	17	-
number	11 994	(D)	-	(D)	1 818	5 372	-
500 to 999 farms	27	1	-	1	-	12	-
number	19 135	(D)	-	(D)	-	8 087	-
1,000 or more farms	73	-	-	-	4	18	-
number	252 662	-	-	-	9 160	32 462	-
Feeder pigs sold farms, 1987	57	4	8	9	12	23	1
1982	76	3	8	9	24	38	-
number, 1987	29 729	(D)	316	714	(D)	4 815	(D)
1982	28 096	37	159	512	2 751	4 334	-
$1,000, 1987	1 324	(D)	16	(D)	247	201	(D)
1982	1 361	1	6	21	113	209	-
Hogs and pigs other than feeder pigs sold farms, 1987	253	12	16	18	26	147	1
1982	294	22	15	24	44	195	2
number, 1987	260 777	(D)	238	720	(D)	47 245	(D)
1982	199 407	901	375	816	5 738	37 867	(D)
$1,000, 1987	30 966	92	28	84	796	5 445	(D)
1982	24 744	95	37	102	825	4 243	(D)

Table 12. Hogs and Pigs—Inventory, Litters, and Sales: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
INVENTORY							
Hogs and pigs farms, 1987	13	11	133	16	74	61	2
1982	40	11	167	21	89	79	6
number, 1987	1 846	389	25 265	310	14 203	2 709	(D)
1982	1 375	219	19 523	514	12 139	3 543	25
Farms by inventory:							
1 to 24 farms, 1987	6	8	55	12	29	32	2
1982	35	8	92	16	50	49	6
number, 1987	32	49	391	65	266	307	(D)
1982	(D)	51	739	143	431	441	25
25 to 49 farms, 1987	-	-	24	-	10	10	-
1982	1	1	24	1	10	12	-
number, 1987	-	-	862	-	361	365	-
1982	(D)	(D)	836	(D)	376	408	-
50 to 99 farms, 1987	4	2	14	4	11	7	-
1982	1	2	20	-	12	5	-
number, 1987	306	(D)	1 011	245	782	484	-
1982	(D)	(D)	1 330	-	834	308	-
100 to 199 farms, 1987	1	1	17	-	10	11	-
1982	-	-	11	1	5	8	-
number, 1987	(D)	(D)	2 409	-	1 302	(D)	-
1982	-	-	1 299	(D)	(D)	1 291	-
200 to 499 farms, 1987	1	-	10	-	7	1	-
1982	3	-	12	1	7	5	-
number, 1987	(D)	-	2 373	-	2 542	(D)	-
1982	1 030	-	3 594	(D)	2 485	1 095	-
500 to 999 farms, 1987	-	-	5	-	3	-	-
1982	-	-	4	-	2	-	-
number, 1987	-	-	3 486	-	1 961	-	-
1982	-	-	2 882	-	(D)	-	-
1,000 or more farms, 1987	1	-	8	-	4	-	-
1982	-	-	4	-	3	-	-
number, 1987	(D)	-	14 711	-	6 989	-	-
1982	-	-	8 843	-	5 700	-	-
Hogs and pigs used or to be used for breeding farms, 1987	11	7	80	4	47	48	1
1982	22	7	97	10	57	50	1
number, 1987	270	110	3 104	45	1 973	781	(D)
1982	201	46	2 419	94	1 140	552	(D)
1987 farms by inventory:							
1 to 24	8	4	53	4	34	40	1
25 to 49	1	3	12	-	1	5	-
50 to 99	1	-	6	-	6	3	-
100 or more farms	1	-	9	-	6	-	-
number	(D)	-	1 858	-	1 274	-	-
Other hogs and pigs farms, 1987	12	11	115	15	70	50	2
1982	37	11	155	20	81	72	6
number, 1987	1 576	279	22 151	265	12 230	1 928	(D)
1982	1 174	173	17 104	420	10 999	2 991	(D)
LITTERS							
Litters of pigs farrowed between—							
Dec. 1 of preceding year and Nov. 30 farms, 1987	11	7	86	5	50	49	1
1982	26	7	110	12	60	53	1
number, 1987	288	140	4 744	64	2 673	1 049	(D)
1982	200	82	3 133	63	1 451	684	(D)
Dec. 1 of preceding year and May 31 farms, 1987	10	6	73	4	47	47	1
1982	20	8	92	11	51	44	1
number, 1987	100	69	2 366	29	1 324	516	(D)
1982	92	41	1 525	48	653	352	(D)
June 1 and Nov. 30 farms, 1987	11	6	75	5	46	45	1
1982	15	6	89	7	50	41	1
number, 1987	188	71	2 378	35	1 349	533	(D)
1982	108	41	1 608	15	798	332	(D)
SALES							
Hogs and pigs sold farms, 1987	13	7	135	15	73	58	2
1982	30	7	153	20	90	80	1
number, 1987	2 290	829	41 245	842	23 694	8 249	(D)
1982	1 713	(D)	27 556	592	19 944	5 592	(D)
$1,000, 1987	260	48	3 914	73	2 284	687	(D)
1982	125	(D)	2 824	54	1 939	476	(D)
1987 farms by number sold:							
1 to 24 farms	4	4	52	8	21	12	2
number	18	45	439	55	222	87	(D)
25 to 49 farms	4	-	21	2	8	13	-
number	152	-	727	(D)	289	489	-
50 to 99 farms	1	-	13	3	11	10	-
number	(D)	-	855	(D)	788	744	-
100 to 199 farms	2	-	19	-	13	10	-
number	(D)	-	2 625	-	1 912	1 504	-
200 to 499 farms	1	3	10	2	7	8	-
number	(D)	784	(D)	(D)	2 287	2 167	-
500 to 999 farms	-	-	12	-	6	5	-
number	-	-	(D)	-	4 482	3 258	-
1,000 or more farms	1	-	8	-	7	-	-
number	(D)	-	24 160	-	13 714	-	-
Feeder pigs sold farms, 1987	5	6	35	2	26	30	-
1982	12	3	45	5	25	33	-
number, 1987	304	706	10 553	(D)	5 385	4 484	-
1982	1 312	(D)	7 535	214	2 899	3 009	-
$1,000, 1987	14	30	536	(D)	245	216	-
1982	70	(D)	401	11	137	138	-
Hogs and pigs other than feeder pigs sold farms, 1987	12	4	132	14	69	49	2
1982	28	5	146	20	82	70	1
number, 1987	1 986	123	30 692	(D)	18 309	3 765	(D)
1982	401	(D)	20 021	378	17 045	2 583	(D)
$1,000, 1987	246	16	3 378	(D)	2 039	471	(D)
1982	55	(D)	2 423	43	1 802	338	(D)

Table 12. Hogs and Pigs—Inventory, Litters, and Sales: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
INVENTORY								
Hogs and pigs farms, 1987	35	135	209	7	116	114	144	11
1982	59	151	240	13	148	150	191	23
number, 1987	3 996	21 543	43 153	24	44 207	27 422	35 059	1 423
1982	3 189	17 880	37 378	63	34 078	23 943	26 581	2 151
Farms by inventory:								
1 to 24 farms, 1987	12	61	69	7	27	40	49	5
1982	39	71	100	13	62	78	94	14
number, 1987	70	474	726	24	182	376	479	27
1982	313	679	821	63	613	695	1 011	(D)
25 to 49 farms, 1987	6	17	29	-	12	23	12	4
1982	9	24	35	-	8	17	22	2
number, 1987	217	600	1 035	-	424	869	406	(D)
1982	291	821	1 218	-	228	586	846	(D)
50 to 99 farms, 1987	6	20	30	-	11	12	23	-
1982	3	15	31	-	18	14	24	4
number, 1987	452	1 331	1 868	-	798	905	1 636	-
1982	195	981	2 271	-	1 169	970	1 575	273
100 to 199 farms, 1987	6	8	23	-	13	11	14	-
1982	4	19	22	-	14	12	20	1
number, 1987	(D)	912	3 028	-	1 641	1 710	2 109	-
1982	535	2 262	3 037	-	1 772	1 551	2 859	(D)
200 to 499 farms, 1987	2	15	34	-	21	8	33	1
1982	2	11	29	-	15	11	17	-
number, 1987	(D)	4 665	10 186	-	6 894	3 013	8 927	(D)
1982	(D)	3 172	8 153	-	4 740	3 379	4 566	-
500 to 999 farms, 1987	3	11	16	-	23	13	6	-
1982	2	10	15	-	23	15	10	2
number, 1987	1 904	8 446	10 630	-	14 800	8 644	4 030	-
1982	(D)	(D)	10 194	-	14 042	10 282	6 654	(D)
1,000 or more farms, 1987	-	3	8	-	9	7	7	1
1982	-	1	8	-	8	3	4	-
number, 1987	-	5 115	15 680	-	19 468	11 905	17 472	(D)
1982	-	(D)	11 684	-	11 494	6 500	9 070	-
Hogs and pigs used or to be used for breeding farms, 1987	16	78	134	2	56	76	84	6
1982	32	92	162	3	66	95	125	14
number, 1987	339	2 325	5 814	(D)	4 259	3 659	5 235	(D)
1982	388	1 871	4 555	6	2 969	2 941	3 943	287
1987 farms by inventory:								
1 to 24	12	54	80	2	23	42	42	3
25 to 49	2	7	17	-	14	16	19	2
50 to 99	2	8	20	-	11	6	13	-
100 or more farms	-	9	17	-	8	12	10	1
number	-	1 208	3 122	-	2 724	2 330	3 308	(D)
Other hogs and pigs farms, 1987	34	129	197	6	112	104	138	9
1982	57	140	212	13	145	136	176	21
number, 1987	3 657	19 218	37 339	(D)	39 948	23 763	29 824	(D)
1982	2 801	16 009	32 823	57	31 109	21 002	22 638	1 864
LITTERS								
Litters of pigs farrowed between—								
Dec. 1 of preceding year and Nov. 30 farms, 1987	18	79	142	2	57	79	85	7
1982	35	99	168	3	71	101	131	15
number, 1987	415	3 174	8 575	(D)	7 048	5 151	6 280	380
1982	472	2 887	6 654	7	5 383	4 081	4 208	421
Dec. 1 of preceding year and May 31 farms, 1987	14	68	130	2	52	74	73	7
1982	28	83	137	3	64	84	102	10
number, 1987	188	1 640	4 140	(D)	3 530	2 688	2 835	182
1982	246	1 449	3 140	(D)	2 678	1 996	1 791	195
June 1 and Nov. 30 farms, 1987	18	69	132	1	53	74	78	7
1982	24	80	148	1	57	84	108	13
number, 1987	227	1 534	4 435	(D)	3 518	2 463	3 445	198
1982	226	1 438	3 514	(D)	2 705	2 085	2 417	226
SALES								
Hogs and pigs sold farms, 1987	34	135	216	1	119	123	140	8
1982	55	153	245	6	150	141	192	15
number, 1987	6 171	32 246	85 215	(D)	96 840	49 386	59 117	3 526
1982	3 618	26 865	71 718	38	62 751	37 065	37 564	2 909
$1,000, 1987	664	3 557	8 334	(D)	8 805	5 095	6 407	368
1982	406	3 020	6 940	4	6 167	4 369	4 490	324
1987 farms by number sold:								
1 to 24 farms	8	43	54	1	28	34	36	2
number	55	379	676	(D)	293	316	322	(D)
25 to 49 farms	8	27	20	-	6	16	15	-
number	301	967	671	-	242	544	595	-
50 to 99 farms	7	15	31	-	8	18	16	-
number	512	1 072	2 137	-	622	1 239	1 246	-
100 to 199 farms	3	16	31	-	9	14	21	2
number	400	2 028	4 236	-	1 167	1 861	2 938	(D)
200 to 499 farms	4	16	38	-	23	12	20	3
number	1 074	5 443	11 331	-	8 011	3 499	6 840	990
500 to 999 farms	3	8	18	-	16	14	22	-
number	(D)	6 147	12 472	-	11 062	9 519	14 894	-
1,000 or more farms	1	10	24	-	29	15	10	1
number	(D)	16 210	53 690	-	75 443	32 408	32 282	(D)
Feeder pigs sold farms, 1987	10	31	58	1	25	29	31	3
1982	18	36	66	1	35	32	50	9
number, 1987	671	4 759	19 203	(D)	30 892	6 858	7 526	(D)
1982	489	4 310	20 135	(D)	19 484	3 504	3 563	602
$1,000, 1987	29	220	908	(D)	1 204	370	342	(D)
1982	20	178	979	(D)	813	155	177	31
Hogs and pigs other than feeder pigs sold farms, 1987	32	128	196	1	109	120	135	8
1982	51	136	222	5	138	134	186	14
number, 1987	5 500	27 487	66 012	(D)	65 948	42 528	51 591	(D)
1982	3 129	22 555	51 583	(D)	43 267	33 561	34 001	2 307
$1,000, 1987	635	3 337	7 427	(D)	7 601	4 726	6 065	(D)
1982	386	2 842	5 962	(D)	5 355	4 214	4 313	294

Table 12. **Hogs and Pigs—Inventory, Litters, and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
INVENTORY								
Hogs and pigs .... farms, 1987	6	105	163	98	13	108	-	14
1982	9	117	214	155	14	182	-	17
number, 1987	127	18 774	58 450	25 702	1 166	17 065	-	329
1982	(D)	15 125	18 797	30 065	(D)	17 180	-	375
Farms by inventory:								
1 to 24 .... farms, 1987	4	41	60	38	9	48	-	10
1982	7	60	116	71	10	107	-	15
number, 1987	(D)	383	657	299	91	444	-	69
1982	(D)	481	977	637	(D)	872	-	(D)
25 to 49 .... farms, 1987	2	9	20	16	-	13	-	2
1982	1	13	31	15	2	22	-	-
number, 1987	(D)	325	687	543	-	431	-	(D)
1982	(D)	442	1 157	548	(D)	765	-	-
50 to 99 .... farms, 1987	-	15	21	6	-	21	-	1
1982	-	9	21	15	-	14	-	1
number, 1987	-	984	1 354	421	-	1 367	-	(D)
1982	-	585	1 444	1 031	-	889	-	(D)
100 to 199 .... farms, 1987	-	13	19	12	3	8	-	1
1982	-	6	19	18	-	15	-	-
number, 1987	-	1 938	2 536	1 516	(D)	1 301	-	(D)
1982	-	850	2 463	2 256	-	1 815	-	-
200 to 499 .... farms, 1987	-	13	21	11	-	7	-	-
1982	1	21	20	20	-	15	-	1
number, 1987	-	4 231	5 947	3 332	-	1 695	-	-
1982	(D)	5 808	5 796	6 769	-	3 803	-	(D)
500 to 999 .... farms, 1987	-	10	9	9	1	7	-	-
1982	-	5	4	11	2	3	-	-
number, 1987	-	6 173	6 006	5 858	(D)	4 311	-	-
1982	-	3 409	2 541	7 263	(D)	1 920	-	-
1,000 or more .... farms, 1987	-	4	13	6	-	4	-	-
1982	-	3	3	5	-	6	-	-
number, 1987	-	4 740	41 263	13 733	-	7 516	-	-
1982	-	3 550	4 419	11 561	-	7 116	-	-
Hogs and pigs used or to be used for breeding .... farms, 1987	3	77	105	58	13	78	-	10
1982	4	80	138	106	9	122	-	9
number, 1987	8	2 675	7 298	3 233	272	2 778	-	85
1982	(D)	1 794	2 338	4 678	235	2 668	-	83
1987 farms by inventory:								
1 to 24	3	44	60	32	10	54	-	10
25 to 49	-	13	16	6	2	10	-	-
50 to 99	-	14	15	11	-	6	-	-
100 or more .... farms	-	6	14	9	1	8	-	-
number	-	937	5 298	1 923	(D)	1 598	-	-
Other hogs and pigs .... farms, 1987	5	92	153	93	12	102	-	13
1982	9	112	196	145	14	166	-	14
number, 1987	119	16 099	51 152	22 469	894	14 287	-	244
1982	(D)	13 331	16 459	25 387	(D)	14 512	-	292
LITTERS								
Litters of pigs farrowed between—								
Dec. 1 of preceding year and Nov. 30 .... farms, 1987	3	81	111	64	13	82	-	10
1982	4	83	146	109	9	130	-	10
number, 1987	18	3 967	11 918	5 589	459	3 982	-	100
1982	(D)	2 860	2 379	6 352	(D)	3 702	-	71
Dec. 1 of preceding year and May 31 .... farms, 1987	3	70	99	60	12	75	-	8
1982	4	73	107	94	5	109	-	7
number, 1987	(D)	1 925	5 729	2 829	227	1 974	-	50
1982	(D)	1 445	1 120	2 939	(D)	1 775	-	24
June 1 and Nov. 30 .... farms, 1987	2	73	99	52	12	70	-	9
1982	3	74	122	96	8	103	-	7
number, 1987	(D)	2 042	6 189	2 760	232	2 008	-	50
1982	(D)	1 415	1 259	3 413	169	1 927	-	47
SALES								
Hogs and pigs sold .... farms, 1987	4	103	172	103	10	112	-	14
1982	7	103	208	154	11	173	-	16
number, 1987	(D)	31 681	96 502	52 428	3 057	27 198	-	746
1982	(D)	26 755	26 933	48 803	(D)	27 810	-	237
$1,000, 1987	6	3 285	10 092	5 591	225	2 645	-	63
1982	(D)	2 634	2 764	4 978	(D)	2 853	-	24
1987 farms by number sold:								
1 to 24 .... farms	3	26	47	31	1	37	-	7
number	27	209	544	313	(D)	352	-	45
25 to 49 .... farms	-	11	22	15	3	19	-	1
number	-	417	738	578	101	654	-	(D)
50 to 99 .... farms	1	17	23	12	1	20	-	4
number	(D)	1 190	1 536	868	(D)	1 456	-	261
100 to 199 .... farms	-	11	22	5	-	8	-	1
number	-	1 488	2 865	611	-	1 056	-	(D)
200 to 499 .... farms	-	14	35	18	2	12	-	1
number	-	4 195	10 927	5 222	(D)	3 425	-	(D)
500 to 999 .... farms	-	15	9	12	2	9	-	-
number	-	10 542	6 671	9 042	(D)	5 305	-	-
1,000 or more .... farms	-	9	14	12	1	7	-	-
number	-	13 640	73 221	35 796	(D)	14 450	-	-
Feeder pigs sold .... farms, 1987	2	32	48	36	6	34	-	7
1982	2	28	66	47	4	66	-	8
number, 1987	(D)	6 575	20 992	8 269	(D)	7 042	-	365
1982	(D)	9 131	4 281	13 591	(D)	7 102	-	88
$1,000, 1987	(D)	283	1 041	406	(D)	363	-	16
1982	(D)	391	185	753	(D)	371	-	2
Hogs and pigs other than feeder pigs sold .... farms, 1987	4	100	157	95	8	105	-	12
1982	7	93	194	147	11	155	-	12
number, 1987	22	25 106	75 510	44 159	(D)	20 156	-	381
1982	(D)	17 624	22 652	35 212	1 122	20 708	-	149
$1,000, 1987	(D)	3 002	9 051	5 185	(D)	2 281	-	48
1982	(D)	2 243	2 578	4 225	147	2 482	-	21

[For meaning of abbreviations and symbols, see introductory text]

Item	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
INVENTORY								
Hogs and pigs farms, 1987	85	12	170	87	3	3	38	17
1982	172	24	223	118	3	13	56	34
number, 1987	9 591	1 112	37 611	5 553	(D)	(D)	3 885	670
1982	13 132	954	38 450	6 315	238	98	3 497	653
Farms by inventory:								
1 to 24 farms, 1987	42	7	38	58	-	3	18	9
1982	113	17	76	84	2	12	40	26
number, 1987	309	(D)	373	473	-	(D)	163	54
1982	818	(D)	692	614	(D)	(D)	376	(D)
25 to 49 farms, 1987	13	-	23	9	1	-	4	3
1982	20	-	34	11	-	1	5	3
number, 1987	445	-	865	306	(D)	-	152	(D)
1982	651	-	1 112	382	-	(D)	185	85
50 to 99 farms, 1987	9	1	32	8	-	-	4	2
1982	11	2	22	7	-	-	3	4
number, 1987	580	(D)	2 214	564	-	-	265	(D)
1982	672	(D)	1 556	438	-	-	230	253
100 to 199 farms, 1987	6	1	23	6	1	-	9	3
1982	10	3	40	8	-	-	5	1
number, 1987	813	(D)	3 394	889	(D)	-	1 155	(D)
1982	(D)	(D)	5 561	(D)	-	-	618	(D)
200 to 499 farms, 1987	8	3	29	4	-	-	1	-
1982	12	2	28	6	1	-	-	-
number, 1987	2 287	850	7 815	(D)	-	-	(D)	-
1982	3 455	(D)	8 529	1 592	(D)	-	-	-
500 to 999 farms, 1987	5	-	18	1	1	-	1	-
1982	2	-	16	1	-	-	2	-
number, 1987	(D)	-	11 889	(D)	(D)	-	(D)	-
1982	(D)	-	11 048	(D)	-	-	(D)	-
1,000 or more farms, 1987	2	-	7	1	-	-	1	-
1982	4	-	7	1	-	-	1	-
number, 1987	(D)	-	11 061	(D)	-	-	(D)	-
1982	4 925	-	9 950	(D)	-	-	(D)	-
Hogs and pigs used or to be used for breeding farms, 1987	52	7	104	43	3	3	20	6
1982	103	6	140	75	3	4	31	18
number, 1987	1 221	191	4 785	857	(D)	14	577	63
1982	2 003	132	4 077	971	(D)	17	479	100
1987 farms by inventory:								
1 to 24	38	4	55	32	1	3	13	6
25 to 49	7	2	21	9	1	-	4	-
50 to 99	5	-	10	-	1	-	2	-
100 or more farms	2	1	18	2	-	-	1	-
number	(D)	(D)	2 770	(D)	-	-	(D)	-
Other hogs and pigs farms, 1987	81	11	160	75	3	2	37	15
1982	154	23	205	104	3	12	52	30
number, 1987	8 370	921	32 826	4 696	(D)	(D)	3 306	607
1982	11 129	822	34 373	5 344	(D)	81	3 018	553
LITTERS								
Litters of pigs farrowed between—								
Dec. 1 of preceding year and Nov. 30 farms, 1987	54	7	109	45	3	3	20	7
1982	112	7	146	82	3	4	33	20
number, 1987	1 764	208	7 105	1 413	(D)	4	707	67
1982	2 852	130	6 688	1 144	(D)	15	648	76
Dec. 1 of preceding year and May 31 farms, 1987	53	5	98	39	3	2	20	7
1982	95	5	131	69	1	2	31	13
number, 1987	955	69	3 430	719	(D)	(D)	302	36
1982	1 426	43	3 143	570	(D)	(D)	329	31
June 1 and Nov. 30 farms, 1987	48	6	101	42	3	2	19	6
1982	91	6	131	65	2	4	22	14
number, 1987	809	139	3 675	694	(D)	(D)	405	31
1982	1 426	87	3 545	574	(D)	(D)	319	45
SALES								
Hogs and pigs sold farms, 1987	84	10	183	81	5	4	42	21
1982	157	27	243	111	3	7	56	30
number, 1987	13 352	1 009	75 401	10 067	(D)	22	6 231	997
1982	19 927	1 623	65 958	10 007	(D)	98	5 359	716
$1,000, 1987	1 199	94	7 966	905	(D)	4	745	86
1982	2 080	131	6 903	960	(D)	10	553	73
1987 farms by number sold:								
1 to 24 farms	33	5	30	35	2	4	16	12
number	264	63	291	353	(D)	22	123	(D)
25 to 49 farms	11	-	16	17	1	-	8	1
number	359	-	565	587	(D)	-	296	(D)
50 to 99 farms	13	-	30	7	-	-	6	1
number	946	-	2 186	469	-	-	455	(D)
100 to 199 farms	8	3	26	10	-	-	2	7
number	1 192	(D)	3 746	1 260	-	-	(D)	830
200 to 499 farms	10	2	36	8	-	-	4	-
number	2 867	(D)	11 525	2 979	-	-	838	-
500 to 999 farms	7	-	24	3	2	-	5	-
number	(D)	-	16 265	(D)	(D)	-	3 036	-
1,000 or more farms	2	-	21	1	-	-	1	-
number	(D)	-	40 823	(D)	-	-	(D)	-
Feeder pigs sold farms, 1987	21	2	46	20	2	1	15	5
1982	49	6	65	36	1	1	17	13
number, 1987	4 495	(D)	17 279	3 131	(D)	(D)	1 830	298
1982	4 322	772	16 054	2 680	(D)	(D)	1 973	280
$1,000, 1987	196	(D)	894	142	(D)	(D)	84	9
1982	205	35	754	100	(D)	(D)	98	11
Hogs and pigs other than feeder pigs sold farms, 1987	80	9	172	79	4	3	40	19
1982	152	23	224	104	3	6	54	26
number, 1987	8 857	(D)	58 122	6 936	(D)	(D)	4 401	699
1982	15 605	851	49 904	7 327	(D)	(D)	3 386	436
$1,000, 1987	1 003	(D)	7 072	763	(D)	(D)	661	79
1982	1 875	96	6 150	880	(D)	(D)	455	63

Table 12. **Hogs and Pigs—Inventory, Litters, and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
INVENTORY								
Hogs and pigs farms, 1987	6	32	86	17	60	19	122	119
1982	21	45	94	43	66	30	152	132
number, 1987	(D)	4 196	8 959	875	5 777	3 242	14 842	10 716
1982	443	2 137	4 336	1 026	5 304	3 189	20 358	10 769
Farms by inventory:								
1 to 24 farms, 1987	5	17	39	11	28	11	65	45
1982	18	29	64	29	37	16	72	68
number, 1987	15	128	366	85	220	93	517	492
1982	88	238	416	259	248	127	663	679
25 to 49 farms, 1987	-	3	15	3	6	3	13	24
1982	-	6	12	8	7	4	21	18
number, 1987	-	(D)	570	84	221	(D)	484	842
1982	-	214	416	287	277	163	721	617
50 to 99 farms, 1987	-	2	7	1	9	2	12	24
1982	1	5	8	6	6	3	19	21
number, 1987	-	(D)	429	(D)	579	(D)	964	1 731
1982	(D)	350	484	480	501	150	1 164	1 353
100 to 199 farms, 1987	1	5	16	1	7	1	18	10
1982	2	2	4	-	7	2	19	7
number, 1987	(D)	638	2 142	(D)	923	(D)	2 208	1 268
1982	(D)	(D)	(D)	-	(D)	(D)	2 587	1 008
200 to 499 farms, 1987	-	3	5	-	8	1	7	12
1982	-	3	4	-	8	2	10	12
number, 1987	-	(D)	1 452	-	(D)	(D)	1 829	3 629
1982	-	(D)	922	-	2 485	(D)	3 041	3 378
500 to 999 farms, 1987	-	1	2	1	2	-	3	4
1982	-	-	1	-	1	-	9	6
number, 1987	-	(D)	(D)	(D)	(D)	-	2 215	2 754
1982	-	-	(D)	-	(D)	-	(D)	3 734
1,000 or more farms, 1987	-	1	2	-	-	1	4	-
1982	-	-	1	-	-	1	2	-
number, 1987	-	(D)	(D)	-	-	(D)	6 625	-
1982	-	-	(D)	-	-	(D)	(D)	-
Hogs and pigs used or to be used for breeding farms, 1987	2	18	52	10	43	10	59	81
1982	13	33	55	29	40	17	82	90
number, 1987	(D)	860	1 161	121	910	824	1 725	1 692
1982	102	386	658	326	647	874	1 973	1 881
1987 farms by inventory:								
1 to 24	2	10	43	8	32	7	43	62
25 to 49	-	3	4	1	6	-	10	8
50 to 99	-	3	1	1	3	1	3	10
100 or more farms	-	2	4	-	2	2	3	1
number	-	(D)	650	-	(D)	(D)	845	(D)
Other hogs and pigs farms, 1987	5	29	77	15	55	16	111	111
1982	19	42	84	39	60	29	147	123
number, 1987	(D)	3 336	7 798	754	4 867	2 418	13 117	9 024
1982	341	1 771	3 678	700	4 657	2 315	18 385	8 888
LITTERS								
Litters of pigs farrowed between—								
Dec. 1 of preceding year and Nov. 30 farms, 1987	2	18	57	10	44	11	63	85
1982	14	33	62	30	43	18	86	93
number, 1987	(D)	1 273	1 711	159	1 258	1 785	2 372	2 197
1982	91	614	929	375	1 082	1 143	3 008	2 152
Dec. 1 of preceding year and May 31 farms, 1987	2	17	46	9	44	9	56	69
1982	13	27	43	23	31	14	73	74
number, 1987	(D)	629	754	78	658	(D)	1 159	1 008
1982	31	298	496	181	586	566	1 485	1 060
June 1 and Nov. 30 farms, 1987	1	16	51	9	37	9	58	78
1982	5	28	51	24	39	16	79	76
number, 1987	(D)	644	957	81	600	(D)	1 213	1 189
1982	60	316	433	194	496	577	1 523	1 092
SALES								
Hogs and pigs sold farms, 1987	5	23	84	15	58	19	120	120
1982	10	45	84	36	61	22	144	130
number, 1987	(D)	10 385	13 818	1 265	10 180	(D)	28 689	17 412
1982	551	5 625	8 000	2 420	7 681	9 939	33 477	16 865
$1,000, 1987	(D)	933	1 305	84	1 090	685	2 846	1 566
1982	26	467	764	187	730	635	3 408	1 645
1987 farms by number sold:								
1 to 24 farms	4	4	28	9	21	10	48	37
number	7	62	286	69	160	87	420	388
25 to 49 farms	-	4	13	2	7	1	21	20
number	-	155	470	(D)	257	(D)	718	758
50 to 99 farms	-	4	15	1	4	2	16	23
number	-	292	1 087	(D)	245	(D)	1 310	1 470
100 to 199 farms	-	1	11	1	10	1	10	16
number	-	(D)	1 430	(D)	1 266	(D)	1 250	2 185
200 to 499 farms	1	4	10	1	7	3	18	12
number	(D)	1 392	3 335	(D)	2 129	865	5 503	3 622
500 to 999 farms	-	4	3	1	8	-	3	8
number	-	2 432	2 140	(D)	(D)	-	1 900	4 588
1,000 or more farms	-	2	4	-	1	2	6	4
number	-	(D)	5 070	-	(D)	(D)	17 566	4 401
Feeder pigs sold farms, 1987	-	11	29	5	24	7	24	46
1982	6	10	28	20	24	11	36	43
number, 1987	-	4 210	3 360	623	2 398	(D)	5 407	6 341
1982	508	2 721	3 092	1 547	2 866	8 449	5 861	5 772
$1,000, 1987	-	211	141	23	97	(D)	253	291
1982	20	143	162	80	150	440	264	267
Hogs and pigs other than feeder pigs sold farms, 1987	5	22	79	13	53	17	111	109
1982	5	43	74	28	51	21	137	116
number, 1987	(D)	6 175	10 458	642	7 782	(D)	23 282	11 071
1982	43	2 904	4 908	873	4 815	1 490	27 616	11 093
$1,000, 1987	(D)	722	1 165	62	993	(D)	2 593	1 275
1982	6	324	602	106	579	195	3 144	1 378

Table 12. **Hogs and Pigs—Inventory, Litters, and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
INVENTORY								
Hogs and pigs farms, 1987	13	52	67	29	52	25	3	48
1982	8	67	91	46	79	38	10	55
number, 1987	387	6 682	6 696	1 870	10 435	1 362	(D)	2 904
1982	361	4 595	8 269	2 246	4 807	1 026	116	2 936
Farms by inventory:								
1 to 24 farms, 1987	8	23	32	21	24	15	3	24
1982	6	34	55	35	49	29	8	40
number, 1987	42	153	235	128	119	143	(D)	124
1982	(D)	303	406	217	342	282	(D)	244
25 to 49 farms, 1987	3	4	12	2	8	3	-	7
1982	-	8	15	5	3	2	1	3
number, 1987	91	126	382	(D)	208	(D)	-	229
1982	-	258	580	(D)	105	(D)	(D)	88
50 to 99 farms, 1987	1	6	6	1	7	2	-	9
1982	-	11	4	1	11	5	1	4
number, 1987	(D)	408	448	(D)	515	(D)	-	592
1982	-	773	240	(D)	674	332	(D)	233
100 to 199 farms, 1987	-	8	5	2	2	3	-	6
1982	2	7	5	1	9	2	-	2
number, 1987	-	1 071	693	(D)	(D)	(D)	-	(D)
1982	(D)	(D)	820	(D)	(D)	(D)	-	(D)
200 to 499 farms, 1987	1	7	8	3	10	2	-	1
1982	-	6	8	3	5	-	-	5
number, 1987	(D)	2 298	2 505	1 396	3 058	(D)	-	(D)
1982	-	1 576	2 678	1 180	1 419	-	-	1 455
500 to 999 farms, 1987	-	4	4	-	2	-	-	1
1982	-	1	2	1	2	-	-	1
number, 1987	-	2 626	2 433	-	(D)	-	-	(D)
1982	-	(D)	(D)	(D)	(D)	-	-	(D)
1,000 or more farms, 1987	-	-	-	-	1	-	-	-
1982	-	-	2	-	-	-	-	-
number, 1987	-	-	-	-	(D)	-	-	-
1982	-	-	(D)	-	-	-	-	-
Hogs and pigs used or to be used for breeding farms, 1987	8	26	49	13	33	16	3	26
1982	7	47	55	25	49	19	3	37
number, 1987	100	823	1 365	211	1 646	216	8	491
1982	58	730	1 235	303	1 050	192	(D)	568
1987 farms by inventory:								
1 to 24	6	16	35	10	17	13	3	22
25 to 49	2	5	6	-	9	3	-	2
50 to 99	-	3	6	3	3	-	-	1
100 or more farms	-	2	2	-	4	-	-	1
number	-	(D)	(D)	-	1 039	-	-	(D)
Other hogs and pigs farms, 1987	12	47	63	25	47	22	1	45
1982	6	62	84	42	71	38	10	49
number, 1987	287	5 859	5 331	1 659	8 789	1 146	(D)	2 413
1982	303	3 865	7 034	1 943	3 757	834	(D)	2 368
LITTERS								
Litters of pigs farrowed between—								
Dec. 1 of preceding year and Nov. 30 farms, 1987	9	32	49	15	34	18	3	28
1982	8	48	60	27	53	20	3	41
number, 1987	76	1 628	1 956	320	2 404	257	5	538
1982	64	1 055	1 959	486	1 499	244	(D)	834
Dec. 1 of preceding year and May 31 farms, 1987	7	31	45	14	28	12	3	25
1982	4	39	49	23	40	14	3	37
number, 1987	33	823	966	170	810	125	(D)	332
1982	(D)	516	959	236	693	162	(D)	404
June 1 and Nov. 30 farms, 1987	9	31	47	13	32	16	1	27
1982	6	42	51	22	42	17	1	27
number, 1987	43	805	990	150	1 594	132	(D)	206
1982	(D)	539	1 000	250	806	82	(D)	430
SALES								
Hogs and pigs sold farms, 1987	10	55	65	30	58	23	1	46
1982	7	69	91	44	69	30	5	47
number, 1987	615	11 682	14 380	3 643	20 035	1 876	(D)	6 468
1982	321	7 458	13 614	3 237	11 585	1 638	60	7 878
$1,000, 1987	54	1 019	1 147	393	1 738	184	(D)	536
1982	34	589	1 185	268	979	123	6	563
1987 farms by number sold:								
1 to 24 farms	6	20	25	18	24	13	-	20
number	58	205	210	139	156	173	-	119
25 to 49 farms	-	6	4	1	6	5	1	8
number	-	215	144	(D)	194	181	(D)	292
50 to 99 farms	2	8	13	4	7	-	-	6
number	(D)	563	894	(D)	422	-	-	331
100 to 199 farms	1	8	6	2	6	2	-	4
number	(D)	(D)	840	(D)	856	(D)	-	534
200 to 499 farms	1	1	8	-	5	3	-	5
number	(D)	(D)	2 742	-	1 890	(D)	-	1 458
500 to 999 farms	-	11	3	5	5	-	-	2
number	-	7 480	1 888	2 930	3 187	-	-	(D)
1,000 or more farms	-	1	6	-	5	-	-	1
number	-	(D)	7 662	-	13 330	-	-	(D)
Feeder pigs sold farms, 1987	5	16	27	6	23	11	1	21
1982	2	33	40	16	29	11	2	24
number, 1987	148	5 219	8 095	215	9 958	363	(D)	3 827
1982	(D)	4 274	6 351	1 309	6 940	901	(D)	6 035
$1,000, 1987	6	282	401	7	477	15	(D)	204
1982	(D)	216	320	40	367	37	(D)	330
Hogs and pigs other than feeder pigs sold farms, 1987	10	52	58	30	54	20	1	40
1982	5	64	84	40	64	28	4	41
number, 1987	467	6 463	6 285	3 428	10 077	1 513	(D)	2 641
1982	(D)	3 184	7 263	1 928	4 645	737	(D)	1 843
$1,000, 1987	48	737	746	386	1 261	169	(D)	332
1982	(D)	374	865	227	612	85	(D)	233

Table 12. **Hogs and Pigs—Inventory, Litters, and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
INVENTORY								
Hogs and pigs farms, 1987	7	6	176	11	2	84	87	206
1982	8	10	227	34	7	117	138	282
number, 1987	278	215	90 617	(D)	(D)	7 252	4 890	48 628
1982	87	269	76 963	1 050	50	8 192	4 839	47 110
Farms by inventory:								
1 to 24 farms, 1987	4	3	48	10	1	43	54	55
1982	7	7	69	30	8	61	91	98
number, 1937	35	7	493	55	(D)	426	406	589
1982	(D)	81	587	205	(D)	574	674	956
25 to 49 farms, 1987	2	1	13	–	1	10	6	34
1982	1	2	17	2	1	21	23	38
number, 1987	(D)	(D)	485	–	(D)	379	(D)	1 174
1982	(D)	(D)	567	(D)	(D)	728	817	1 446
50 to 99 farms, 1987	–	1	15	–	–	12	14	27
1982	–	–	23	1	–	13	14	35
number, 1987	–	(D)	1 072	–	–	(D)	(D)	1 865
1982	–	–	1 556	(D)	–	860	1 016	2 512
100 to 199 farms, 1987	1	1	25	–	–	7	5	33
1982	–	1	35	–	–	11	7	55
number, 1987	(D)	(D)	3 589	–	–	(D)	761	4 693
1982	–	(D)	5 070	–	–	1 433	829	7 393
200 to 499 farms, 1987	–	–	25	–	–	8	6	30
1982	–	–	36	–	–	7	2	37
number, 1987	–	–	8 111	–	–	2 147	(D)	9 198
1982	–	–	11 448	–	–	1 871	(D)	11 732
500 to 999 farms, 1987	–	–	26	–	–	4	2	17
1982	–	–	24	1	–	4	1	12
number, 1987	–	–	17 602	–	–	2 498	(D)	11 921
1982	–	–	16 621	(D)	–	2 726	(D)	8 730
1,000 or more farms, 1987	–	–	24	1	–	–	–	10
1982	–	–	23	–	–	–	–	7
number, 1987	–	–	59 265	(D)	–	–	–	19 188
1982	–	–	41 134	–	–	–	–	14 341
Hogs and pigs used or to be used for breeding farms, 1987	4	3	109	6	2	42	49	160
1982	5	4	146	20	3	63	77	206
number, 1987	45	(D)	10 189	(D)	(D)	840	634	10 163
1982	47	55	8 490	176	(D)	1 069	883	8 208
1987 farms by inventory:								
1 to 24	4	2	38	5	2	34	41	81
25 to 49	–	–	12	–	–	3	6	29
50 to 99	–	1	30	–	–	4	2	18
100 or more farms	–	–	29	1	–	1	–	32
number	–	–	7 435	(D)	–	(D)	–	7 173
Other hogs and pigs farms, 1987	7	5	165	10	1	79	84	195
1982	7	10	218	32	6	114	128	255
number, 1987	233	(D)	80 428	(D)	(D)	6 412	4 256	38 465
1982	40	214	68 493	874	(D)	7 123	3 956	38 902
LITTERS								
Litters of pigs farrowed between—								
Dec. 1 of preceding year and Nov. 30 farms, 1987	5	3	116	6	2	42	52	170
1982	5	4	151	20	4	64	82	219
number, 1987	(D)	(D)	18 365	(D)	(D)	1 124	827	12 113
1982	40	52	14 546	262	18	1 069	1 192	10 220
Dec. 1 of preceding year and May 31 farms, 1987	5	2	113	4	2	38	51	146
1982	3	3	136	15	4	49	68	168
number, 1987	34	(D)	9 320	(D)	(D)	581	429	5 695
1982	17	25	7 310	130	(D)	513	506	4 159
June 1 and Nov. 30 farms, 1987	2	3	110	4	2	36	45	151
1982	5	4	140	11	2	56	67	189
number, 1987	(D)	79	9 045	(D)	(D)	543	398	6 418
1982	23	27	7 236	132	(D)	556	686	6 061
SALES								
Hogs and pigs sold farms, 1987	10	4	193	10	2	79	77	218
1982	7	9	233	27	5	116	123	286
number, 1987	514	(D)	168 880	(D)	(D)	15 784	7 308	81 697
1982	175	453	137 682	2 111	84	11 105	10 294	74 110
$1,000, 1987	42	(D)	15 355	(D)	(D)	1 760	777	8 240
1982	15	40	14 267	130	9	1 202	774	8 038
1987 farms by number sold:								
1 to 24 farms	6	1	31	8	–	29	34	37
number	42	(D)	297	44	–	268	299	393
25 to 49 farms	1	–	18	1	1	7	8	27
number	(D)	–	620	(D)	(D)	251	306	865
50 to 99 farms	1	–	15	–	1	12	10	38
number	(D)	–	1 049	–	(D)	809	652	2 623
100 to 199 farms	2	2	25	–	–	13	11	24
number	(D)	(D)	3 405	–	–	1 812	1 535	3 206
200 to 499 farms	–	–	30	–	–	12	12	53
number	–	–	9 767	–	–	3 574	(D)	16 657
500 to 999 farms	–	–	32	–	–	3	2	17
number	–	–	22 342	–	–	2 650	(D)	11 772
1,000 or more farms	–	1	42	1	–	3	–	22
number	–	(D)	131 400	(D)	–	6 422	–	46 181
Feeder pigs sold farms, 1987	5	3	62	1	2	15	16	60
1982	3	1	89	7	1	22	33	101
number, 1987	291	(D)	50 367	(D)	(D)	2 678	1 469	17 635
1982	(D)	(D)	30 933	(D)	(D)	2 167	5 535	15 570
$1,000, 1987	13	(D)	2 210	(D)	(D)	133	61	812
1982	(D)	(D)	1 540	(D)	(D)	108	242	746
Hogs and pigs other than feeder pigs sold farms, 1987	9	3	180	9	2	77	74	209
1982	7	8	216	25	5	111	112	259
number, 1987	223	47	118 513	2 066	(D)	13 106	5 839	64 062
1982	(D)	(D)	106 749	(D)	(D)	8 938	4 759	58 540
$1,000, 1987	29	(D)	13 145	(D)	(D)	1 627	716	7 428
1982	(D)	(D)	12 728	(D)	(D)	1 094	532	7 292

Table 12. **Hogs and Pigs—Inventory, Litters, and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
INVENTORY								
Hogs and pigs farms, 1987	139	9	135	114	147	142	26	14
1982	162	8	147	154	228	176	34	28
number, 1987	17 321	590	14 626	17 979	56 167	24 052	614	544
1982	11 014	219	13 039	18 489	55 854	22 737	819	2 552
Farms by inventory:								
1 to 24 farms, 1987	64	2	70	51	53	47	23	9
1982	101	6	67	82	95	77	27	17
number, 1987	500	(D)	648	426	478	431	109	110
1982	809	(D)	589	674	899	748	(D)	123
25 to 49 farms, 1987	12	2	13	12	15	15	-	2
1982	11	1	19	15	29	28	1	4
number, 1987	385	(D)	449	428	500	547	-	(D)
1982	334	(D)	694	566	1 017	965	(D)	(D)
50 to 99 farms, 1987	21	2	12	13	23	24	2	2
1982	16	-	26	15	27	21	3	1
number, 1987	1 405	(D)	860	856	1 572	1 472	(D)	(D)
1982	971	-	1 825	1 062	1 686	1 400	173	(D)
100 to 199 farms, 1987	16	3	16	16	14	19	-	-
1982	14	1	14	18	23	26	2	1
number, 1987	2 182	403	2 132	2 323	1 782	2 627	-	-
1982	1 736	(D)	1 814	2 230	2 902	3 433	(D)	(D)
200 to 499 farms, 1987	16	-	15	12	16	26	1	1
1982	17	-	18	15	25	15	1	3
number, 1987	5 625	-	3 910	3 818	5 491	7 400	(D)	(D)
1982	5 284	-	[illegible] 067	5 086	7 990	5 266	(D)	984
500 to 999 farms, 1987	4	-	7	8	9	10	-	-
1982	3	-	3	6	11	5	-	2
number, 1987	2 230	-	(D)	(D)	6 692	(D)	-	-
1982	1 880	-	2 050	4 371	8 135	3 519	-	(D)
1,000 or more farms, 1987	4	-	2	2	17	1	-	-
1982	-	-	-	3	18	4	-	-
number, 1987	4 994	-	(D)	(D)	39 652	(D)	-	-
1982	-	-	-	4 500	33 225	7 406	-	-
Hogs and pigs used or to be used for breeding farms, 1987	85	9	93	63	99	87	5	12
1982	95	6	96	79	159	115	13	15
number, 1987	2 250	218	2 493	1 768	9 322	3 582	(D)	187
1982	1 440	29	2 251	1 990	9 582	2 933	77	448
1987 farms by inventory:								
1 to 24	57	4	60	43	54	53	4	11
25 to 49	12	4	17	13	8	17	1	-
50 to 99	11	1	11	2	14	11	-	1
100 or more farms	5	-	5	5	23	6	-	-
number	671	-	637	845	7 635	1 770	-	-
Other hogs and pigs farms, 1987	128	7	118	109	138	134	25	13
1982	154	8	139	150	217	160	31	28
number, 1987	15 071	372	12 133	16 211	46 845	20 470	(D)	357
1982	9 574	190	10 788	16 499	46 272	19 804	742	2 104
LITTERS								
Litters of pigs farrowed between—								
Dec. 1 of preceding year and Nov. 30 farms, 1987	87	9	97	64	108	89	8	12
1982	101	8	99	80	172	119	13	17
number, 1987	3 227	284	3 322	3 097	11 297	4 686	54	306
1982	2 273	44	2 358	2 778	10 204	4 330	62	732
Dec. 1 of preceding year and May 31 farms, 1987	78	9	87	51	98	85	5	12
1982	89	8	86	70	148	104	12	11
number, 1987	1 520	136	1 569	1 536	5 903	2 334	25	154
1982	1 226	19	1 036	1 362	5 235	2 086	44	357
June 1 and Nov. 30 farms, 1987	80	7	80	55	91	82	5	11
1982	83	7	84	63	146	100	8	15
number, 1987	1 707	148	1 753	1 561	5 394	2 352	29	152
1982	1 047	25	1 322	1 416	4 969	2 244	18	375
SALES								
Hogs and pigs sold farms, 1987	125	8	139	118	152	144	18	13
1982	154	9	135	135	237	180	24	22
number, 1987	22 276	1 706	26 158	32 015	84 358	43 414	594	2 524
1982	16 599	234	19 325	30 425	77 268	34 869	640	7 139
$1,000, 1987	2 203	95	2 341	3 320	9 707	4 603	49	(D)
1982	1 556	13	1 728	3 272	8 714	3 646	76	498
1987 farms by number sold:								
1 to 24 farms	34	1	58	57	38	37	15	4
number	358	(D)	589	564	297	426	107	37
25 to 49 farms	23	-	14	9	22	19	-	2
number	843	-	476	335	765	712	-	(D)
50 to 99 farms	19	2	15	7	28	19	1	2
number	1 345	(D)	1 044	517	1 955	1 153	(D)	(D)
100 to 199 farms	14	-	14	9	11	21	1	2
number	2 133	-	1 939	1 237	1 563	2 724	(D)	(D)
200 to 499 farms	19	5	21	19	16	22	1	2
number	5 218	1 532	6 530	6 247	4 766	7 123	(D)	(D)
500 to 999 farms	12	-	11	6	13	18	-	-
number	7 021	-	7 056	3 875	8 792	12 737	-	-
1,000 or more farms	4	-	6	11	24	8	-	1
number	5 358	-	8 474	19 240	66 220	18 539	-	(D)
Feeder pigs sold farms, 1987	33	7	54	24	27	32	4	10
1982	43	4	52	27	65	43	3	13
number, 1987	5 379	(D)	10 106	4 604	6 464	5 971	(D)	2 048
1982	5 124	(D)	8 936	2 454	10 027	10 237	61	5 494
$1,000, 1987	234	(D)	479	216	306	250	(D)	97
1982	224	(D)	429	121	497	523	3	298
Hogs and pigs other than feeder pigs sold farms, 1987	117	3	128	116	145	136	16	12
1982	143	7	125	124	221	170	23	21
number, 1987	16 897	(D)	16 052	27 411	77 894	37 443	(D)	476
1982	11 475	(D)	10 389	27 971	67 241	24 632	579	1 645
$1,000, 1987	1 969	(D)	1 862	3 104	9 401	4 354	(D)	(D)
1982	1 332	(D)	1 298	3 150	8 217	3 123	73	199

Table 13. **Sheep and Horses—Inventory and Sales: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Item	Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
Sheep and lambs inventory .... farms, 1987..	2 057	16	4	56	21	6	4
1982..	2 401	21	5	70	16	10	6
number, 1987..	101 330	943	1 848	2 919	1 091	553	47
1982..	115 517	932	1 040	2 328	881	318	154
1987 farms by inventory:							
1 to 24	1 105	4	1	24	10	3	4
25 to 99	726	9	-	23	9	2	-
100 to 299..........	188	3	1	8	1	-	-
300 to 999..........	29	-	2	1	1	1	-
1,000 or more..........	9	-	-	-	-	-	-
Ewes 1 year old or older .... farms, 1987..	1 857	15	4	50	18	6	3
1982..	2 103	19	5	62	15	9	5
number, 1987..	62 036	721	895	1 499	628	236	45
1982..	68 288	701	657	1 658	498	205	89
Sheep and lambs shorn .... farms, 1987..	1 826	16	4	48	20	5	3
1982..	2 060	19	5	59	10	8	5
number, 1987..	88 134	854	1 166	1 676	709	238	57
1982..	101 512	773	619	2 082	586	242	92
pounds of wool, 1987..	655 169	6 196	7 425	14 434	5 074	1 783	400
1982..	782 410	6 023	3 301	16 833	3 683	1 537	656
Sheep and lambs sold .... farms, 1987..	1 979	17	4	53	22	5	4
1982..	2 172	20	5	57	12	9	5
number, 1987..	77 152	822	483	1 683	696	244	64
1982..	88 782	540	195	1 662	829	173	67
Sheep, lambs, and wool sold .... farms, 1987..	2 072	17	4	55	22	5	4
1982..	2 308	20	5	62	13	9	5
$1,000, 1987..	5 632	54	(D)	117	51	17	3
1982..	5 207	28	9	95	34	10	2
Horses and ponies inventory........ farms, 1987..	9 065	41	13	264	87	37	44
1982..	9 539	44	13	282	76	39	49
number, 1987..	56 836	140	57	1 636	380	181	215
1982..	52 648	188	28	1 583	283	219	210
Horses and ponies sold .... farms, 1987..	2 403	7	5	66	17	8	8
1982..	2 403	4	1	81	18	8	5
number, 1987..	7 645	21	6	321	39	12	40
1982..	7 808	10	(D)	278	28	29	10
$1,000, 1987..	10 057	10	3	263	24	32	14
1982..	11 086	4	(D)	453	30	22	5

Item	Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
Sheep and lambs inventory .... farms, 1987..	-	44	6	2	24	56	46
1982..	-	44	7	4	30	58	67
number, 1987..	-	1 773	185	(D)	453	2 208	1 865
1982..	-	1 901	55	(D)	469	3 326	2 848
1987 farms by inventory:							
1 to 24	-	23	2	1	17	33	27
25 to 99	-	15	4	1	7	18	16
100 to 299..........	-	6	-	-	-	4	2
300 to 999..........	-	-	-	-	-	1	1
1,000 or more..........	-	-	-	-	-	-	-
Ewes 1 year old or older .... farms, 1987..	-	41	5	1	23	49	45
1982..	-	43	3	3	27	51	56
number, 1987..	-	1 247	91	(D)	284	1 787	1 058
1982..	-	1 278	(D)	79	305	2 138	1 565
Sheep and lambs shorn .... farms, 1987..	-	40	6	1	21	48	42
1982..	-	46	2	4	25	48	62
number, 1987..	-	1 570	133	(D)	411	1 694	1 397
1982..	-	1 816	(D)	(D)	442	3 200	2 483
pounds of wool, 1987..	-	12 498	1 027	(D)	3 281	13 711	9 602
1982..	-	14 468	(D)	(D)	2 825	24 522	17 656
Sheep and lambs sold .... farms, 1987..	-	43	8	1	25	56	43
1982..	-	45	2	6	23	56	67
number, 1987..	-	1 407	101	(D)	330	1 879	1 185
1982..	-	1 600	(D)	18	285	4 470	3 150
Sheep, lambs, and wool sold .... farms, 1987..	-	45	8	1	27	57	46
1982..	-	47	2	6	29	56	69
$1,000, 1987..	-	99	6	(D)	(D)	131	87
1982..	-	78	(D)	(D)	17	280	171
Horses and ponies inventory........ farms, 1987..	16	200	53	23	165	180	218
1982..	20	200	53	20	202	193	269
number, 1987..	(D)	1 061	308	126	987	886	1 300
1982..	48	1 019	292	114	965	987	1 344
Horses and ponies sold .... farms, 1987..	1	56	13	7	50	45	47
1982..	5	62	12	8	49	36	54
number, 1987..	(D)	219	38	25	147	136	101
1982..	10	286	43	16	126	105	132
$1,000, 1987..	(D)	287	42	23	235	96	118
1982..	4	275	58	18	225	64	149

Table 13. **Sheep and Horses—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
Sheep and lambs inventory farms, 1987	44	3	10	29	18	57	3
1982	68	9	10	35	22	62	2
number, 1987	2 404	199	307	1 575	1 122	3 320	58
1982	2 993	187	418	2 001	1 796	4 626	(D)
1987 farms by inventory:							
1 to 24	18	-	6	12	7	22	3
25 to 99	20	2	4	11	8	29	-
100 to 299	5	1	-	6	3	5	-
300 to 999	1	-	-	-	-	-	-
1,000 or more	-	-	-	-	-	1	-
Ewes 1 year old or older farms, 1987	39	3	9	27	18	47	3
1982	60	6	10	30	20	51	2
number, 1987	1 530	161	176	1 203	750	1 946	24
1982	1 875	(D)	195	1 449	1 197	2 177	(D)
Sheep and lambs shorn farms, 1987	40	3	9	27	20	50	3
1982	55	6	7	32	21	52	1
number, 1987	1 918	231	296	1 636	915	3 034	45
1982	2 208	(D)	260	1 568	1 596	2 784	(D)
pounds of wool, 1987	13 905	1 830	1 894	11 669	6 729	22 817	246
1982	14 506	(D)	2 098	12 171	10 992	23 374	(D)
Sheep and lambs sold farms, 1987	38	5	9	27	24	58	3
1982	63	4	7	33	22	56	2
number, 1987	1 969	(D)	216	1 667	931	2 668	40
1982	1 867	(D)	208	1 601	1 285	4 184	(D)
Sheep, lambs, and wool sold farms, 1987	40	5	9	29	24	59	3
1982	65	7	9	35	22	59	2
$1,000, 1987	126	(D)	13	123	60	178	(D)
1982	91	(D)	8	66	60	210	(D)
Horses and ponies inventory farms, 1987	148	55	46	106	93	177	9
1982	174	45	46	109	80	178	6
number, 1987	788	323	350	585	495	1 014	66
1982	858	186	219	677	502	1 001	22
Horses and ponies sold farms, 1987	36	10	7	22	28	48	2
1982	48	12	11	23	24	43	2
number, 1987	132	18	12	61	68	124	(D)
1982	137	27	31	210	83	117	(D)
$1,000, 1987	68	11	5	28	65	116	(D)
1982	292	16	14	192	79	130	(D)

Item	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
Sheep and lambs inventory farms, 1987	3	-	64	10	36	29	1
1982	12	2	71	4	50	30	1
number, 1987	103	-	3 252	333	1 099	986	(D)
1982	265	(D)	3 531	111	1 513	1 410	(D)
1987 farms by inventory:							
1 to 24	2	-	31	4	21	12	1
25 to 99	1	-	25	6	11	16	-
100 to 299	-	-	7	-	4	1	-
300 to 999	-	-	1	-	-	-	-
1,000 or more	-	-	-	-	-	-	-
Ewes 1 year old or older farms, 1987	3	-	57	8	31	29	-
1982	11	2	64	4	42	29	1
number, 1987	80	-	2 184	179	728	627	-
1982	166	(D)	2 546	68	920	799	(D)
Sheep and lambs shorn farms, 1987	4	-	59	10	29	24	-
1982	10	2	66	4	40	30	1
number, 1987	94	-	3 248	218	965	1 035	-
1982	186	(D)	4 050	88	1 333	1 024	(D)
pounds of wool, 1987	663	-	24 905	1 907	6 866	5 768	-
1982	1 369	(D)	33 941	648	10 071	7 851	(D)
Sheep and lambs sold farms, 1987	7	-	63	7	29	27	-
1982	8	2	71	3	45	30	1
number, 1987	50	-	2 610	160	913	1 081	-
1982	335	(D)	3 159	52	715	655	(D)
Sheep, lambs, and wool sold farms, 1987	7	-	64	10	34	28	-
1982	11	2	72	4	49	30	1
$1,000, 1987	3	-	189	15	56	75	-
1982	15	(D)	185	3	40	36	(D)
Horses and ponies inventory farms, 1987	56	34	255	49	200	96	12
1982	62	40	269	55	216	71	13
number, 1987	268	236	1 447	244	1 333	562	67
1982	310	246	1 430	298	1 336	378	49
Horses and ponies sold farms, 1987	14	11	71	9	59	16	4
1982	16	11	84	18	61	13	2
number, 1987	33	33	197	12	187	40	6
1982	60	20	194	46	169	25	(D)
$1,000, 1987	32	15	201	(D)	336	26	3
1982	69	11	184	38	489	23	(D)

Table 13. **Sheep and Horses—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
Sheep and lambs inventory farms, 1987	6	35	61	4	23	79	32	7
1982	6	38	95	10	18	88	43	11
number, 1987	406	970	2 070	442	349	4 515	1 794	296
1982	49	1 046	4 989	126	292	7 542	2 258	518
1987 farms by inventory:								
1 to 24	4	25	36	1	17	35	10	3
25 to 99	-	9	19	2	6	38	20	3
100 to 299	2	1	6	-	-	5	1	1
300 to 999	-	-	-	1	-	-	1	-
1,000 or more	-	-	-	-	-	1	-	-
Ewes 1 year old or older farms, 1987	5	31	58	4	19	68	32	5
1982	3	33	83	7	16	77	39	9
number, 1987	183	633	1 531	263	251	2 060	1 246	218
1982	(D)	813	2 474	85	202	3 546	1 592	309
Sheep and lambs shorn farms, 1987	6	31	55	4	19	68	32	9
1982	5	37	86	8	17	73	40	9
number, 1987	301	812	2 169	260	319	3 030	1 422	318
1982	(D)	879	4 212	103	248	4 646	2 012	337
pounds of wool, 1987	2 107	5 958	14 974	2 244	2 273	25 380	11 694	2 154
1982	(D)	8 688	28 373	914	1 646	31 349	15 181	2 600
Sheep and lambs sold farms, 1987	6	33	62	4	25	75	32	9
1982	6	34	86	7	19	83	42	10
number, 1987	191	767	1 919	93	274	3 148	1 200	378
1982	(D)	706	3 157	76	237	4 757	1 819	315
Sheep, lambs, and wool sold farms, 1987	7	36	64	4	25	78	32	10
1982	7	37	93	8	20	83	42	10
$1,000, 1987	10	64	107	8	19	284	(D)	29
1982	4	37	296	3	12	342	110	11
Horses and ponies inventory farms, 1987	69	88	195	36	80	232	172	59
1982	70	109	211	34	86	245	164	67
number, 1987	482	356	1 230	206	331	1 446	914	343
1982	410	443	1 004	142	280	1 342	769	296
Horses and ponies sold farms, 1987	20	21	48	8	17	71	34	16
1982	30	20	44	2	16	64	25	12
number, 1987	89	41	160	42	32	171	115	39
1982	160	82	118	(D)	39	139	71	23
$1,000, 1987	58	33	98	51	24	204	74	17
1982	121	64	242	(D)	27	247	51	9

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
Sheep and lambs inventory farms, 1987	11	25	66	41	2	37	-	3
1982	3	17	86	44	1	49	-	5
number, 1987	357	1 777	4 920	3 281	(D)	949	-	(D)
1982	(D)	438	6 493	1 806	(D)	1 527	-	285
1987 farms by inventory:								
1 to 24	5	14	29	20	2	22	-	2
25 to 99	5	7	29	11	-	15	-	-
100 to 299	1	3	6	7	-	-	-	1
300 to 999	-	1	3	3	-	-	-	-
1,000 or more	-	-	1	-	-	-	-	-
Ewes 1 year old or older farms, 1987	11	22	65	36	2	36	-	3
1982	3	14	79	38	1	45	-	5
number, 1987	268	951	2 823	2 280	(D)	598	-	(D)
1982	(D)	286	3 791	1 031	(D)	1 116	-	201
Sheep and lambs shorn farms, 1987	9	25	62	36	2	33	-	3
1982	3	13	79	36	1	44	-	5
number, 1987	282	1 270	5 189	2 707	(D)	754	-	(D)
1982	(D)	381	7 904	1 388	(D)	1 728	-	252
pounds of wool, 1987	1 896	8 257	37 426	20 140	(D)	5 840	-	(D)
1982	(D)	2 893	58 888	11 283	(D)	14 943	-	2 186
Sheep and lambs sold farms, 1987	11	29	70	38	3	36	-	4
1982	3	15	80	37	5	45	-	4
number, 1987	179	2 258	4 227	2 295	(D)	737	-	(D)
1982	(D)	265	6 504	1 022	17	1 244	-	119
Sheep, lambs, and wool sold farms, 1987	11	29	70	40	3	39	-	4
1982	3	16	86	40	5	49	-	5
$1,000, 1987	17	(D)	349	(D)	(D)	50	-	(D)
1982	(D)	12	377	93	(D)	63	-	7
Horses and ponies inventory farms, 1987	32	121	234	191	21	305	2	37
1982	28	139	262	165	19	319	2	38
number, 1987	99	552	2 108	1 394	109	2 081	(D)	167
1982	108	608	1 703	1 113	105	1 604	(D)	148
Horses and ponies sold farms, 1987	5	31	64	66	6	95	-	6
1982	4	35	50	55	10	78	-	8
number, 1987	11	68	317	309	15	456	-	13
1982	13	105	221	150	(D)	266	-	17
$1,000, 1987	7	91	271	362	(D)	799	-	4
1982	7	69	246	190	(D)	366	-	7

Table 13. **Sheep and Horses—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
Sheep and lambs inventory farms, 1987	71	3	67	71	-	3	24	8
1982	76	10	101	85	-	4	32	7
number, 1987	2 691	(D)	5 271	2 217	-	(D)	613	199
1982	3 344	160	3 808	3 279	-	26	685	263
1987 farms by inventory:								
1 to 24	40	3	40	43	-	3	15	4
25 to 99	23	-	23	24	-	-	6	4
100 to 299	8	-	-	4	-	-	3	-
300 to 999	-	-	3	-	-	-	-	-
1,000 or more	-	-	1	-	-	-	-	-
Ewes 1 year old or older farms, 1987	66	3	61	63	-	1	23	7
1982	64	10	92	73	-	4	27	6
number, 1987	1 847	(D)	3 450	1 486	-	(D)	400	155
1982	2 080	101	2 237	2 110	-	18	422	(D)
Sheep and lambs shorn farms, 1987	62	2	55	56	-	3	22	6
1982	60	5	89	71	-	4	29	5
number, 1987	2 201	(D)	4 049	1 776	-	19	536	215
1982	2 593	(D)	3 318	2 779	-	22	534	255
pounds of wool, 1987	18 632	(D)	29 593	14 258	-	175	4 143	1 638
1982	23 701	(D)	24 509	23 843	-	182	4 375	2 103
Sheep and lambs sold farms, 1987	61	3	64	65	-	4	22	7
1982	66	6	95	77	-	3	28	5
number, 1987	1 612	(D)	4 321	1 287	-	22	429	134
1982	1 386	92	4 396	2 223	-	8	430	228
Sheep, lambs, and wool sold farms, 1987	69	3	65	66	-	4	25	8
1982	69	6	101	81	-	4	32	5
$1,000, 1987	134	(D)	221	92	-	1	34	9
1982	88	5	241	119	-	1	32	10
Horses and ponies inventory farms, 1987	329	46	178	227	9	17	103	48
1982	331	41	180	260	2	17	107	39
number, 1987	2 625	229	1 097	1 723	51	64	1 111	211
1982	2 104	155	1 036	1 896	(D)	52	948	177
Horses and ponies sold farms, 1987	106	10	48	80	2	5	33	9
1982	90	11	41	80	-	4	26	7
number, 1987	335	21	114	236	(D)	14	76	19
1982	468	29	149	211	-	6	179	45
$1,000, 1987	762	18	138	654	(D)	6	127	11
1982	572	26	623	739	-	3	103	30

Item	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
Sheep and lambs inventory farms, 1987	7	15	18	7	15	9	55	23
1982	4	9	13	10	5	17	41	26
number, 1987	259	1 592	1 514	219	331	573	1 203	882
1982	45	1 231	1 170	55	225	904	846	1 230
1987 farms by inventory:								
1 to 24	5	12	14	3	10	1	43	14
25 to 99	1	1	2	4	5	6	10	5
100 to 299	1	-	1	-	-	2	2	4
300 to 999	-	2	-	-	-	-	-	-
1,000 or more	-	-	1	-	-	-	-	-
Ewes 1 year old or older farms, 1987	6	12	14	7	14	6	48	19
1982	4	8	12	6	5	14	37	19
number, 1987	(D)	520	1 083	139	175	311	840	594
1982	(D)	569	897	27	171	641	570	722
Sheep and lambs shorn farms, 1987	4	11	10	7	13	6	44	22
1982	2	8	14	6	5	13	33	19
number, 1987	(D)	1 630	(D)	208	327	351	1 014	831
1982	(D)	1 047	1 111	60	177	802	723	1 217
pounds of wool, 1987	(D)	10 179	(D)	1 703	2 259	2 168	7 391	8 114
1982	(D)	6 800	8 546	566	1 035	5 919	5 452	11 049
Sheep and lambs sold farms, 1987	5	12	19	7	13	9	46	23
1982	2	9	16	5	4	14	31	20
number, 1987	175	1 345	522	134	272	403	781	661
1982	(D)	718	321	58	144	496	525	608
Sheep, lambs, and wool sold farms, 1987	5	12	19	7	13	9	50	24
1982	2	10	17	6	5	14	36	22
$1,000, 1987	(D)	(D)	32	(D)	17	28	54	(D)
1982	(D)	48	16	2	5	26	39	40
Horses and ponies inventory farms, 1987	41	74	139	46	83	61	171	176
1982	37	78	127	87	85	55	174	178
number, 1987	355	391	685	225	633	251	1 040	897
1982	156	492	620	317	497	225	1 040	760
Horses and ponies sold farms, 1987	14	24	37	4	30	8	40	33
1982	12	20	26	18	23	8	60	26
number, 1987	56	61	106	9	107	12	116	76
1982	23	47	84	40	69	17	174	51
$1,000, 1987	61	39	106	5	158	10	327	79
1982	10	33	93	37	103	18	259	50

Table 13. **Sheep and Horses—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
Sheep and lambs inventory farms, 1987	4	6	20	57	15	11	4	20
1982	6	9	25	55	18	16	11	16
number, 1987	332	247	408	1 410	229	223	(D)	815
1982	406	393	1 188	1 147	516	456	426	1 390
1987 farms by inventory:								
1 to 24	-	2	14	40	10	7	2	10
25 to 99	3	3	6	16	5	4	1	7
100 to 299	1	1	-	1	-	-	1	3
300 to 999	-	-	-	-	-	-	-	-
1,000 or more	-	-	-	-	-	-	-	-
Ewes 1 year old or older farms, 1987	4	6	17	53	13	10	3	16
1982	5	7	21	48	13	16	10	13
number, 1987	210	131	319	907	179	169	(D)	686
1982	212	(D)	595	700	220	357	306	961
Sheep and lambs shorn farms, 1987	4	5	17	56	10	10	3	18
1982	5	5	17	39	12	16	9	14
number, 1987	192	129	495	1 350	180	171	(D)	796
1982	231	(D)	980	791	257	385	380	1 151
pounds of wool, 1987	1 226	1 106	3 597	11 791	1 435	1 070	(D)	6 510
1982	1 517	(D)	7 198	6 106	2 073	3 420	3 192	9 299
Sheep and lambs sold farms, 1987	4	5	16	55	15	9	4	19
1982	5	7	18	45	13	12	10	14
number, 1987	165	157	405	990	153	176	(D)	732
1982	162	(D)	931	876	440	281	401	749
Sheep, lambs, and wool sold farms, 1987	4	6	18	60	17	11	4	19
1982	5	7	21	48	15	16	11	15
$1,000, 1987	(D)	10	25	90	(D)	11	(D)	50
1982	9	(D)	53	86	15	14	20	41
Horses and ponies inventory farms, 1987	18	91	136	237	85	63	19	147
1982	22	96	155	262	89	54	34	124
number, 1987	98	695	633	2 819	481	386	140	718
1982	174	620	763	2 408	516	222	142	561
Horses and ponies sold farms, 1987	2	28	29	94	19	13	3	31
1982	7	26	23	103	20	9	6	23
number, 1987	(D)	84	75	247	72	76	15	88
1982	(D)	77	73	264	97	28	21	67
$1,000, 1987	(D)	144	65	579	35	50	(D)	49
1982	(D)	50	54	563	73	26	15	43

Item	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
Sheep and lambs inventory farms, 1987	11	4	23	2	2	32	40	64
1982	9	4	36	2	1	30	61	56
number, 1987	682	152	462	(D)	(D)	2 454	879	2 051
1982	487	102	1 171	(D)	(D)	1 181	1 097	2 444
1987 farms by inventory:								
1 to 24	4	2	18	1	2	26	30	40
25 to 99	3	2	5	-	-	4	9	21
100 to 299	4	-	-	1	-	1	1	3
300 to 999	-	-	-	-	-	-	-	-
1,000 or more	-	-	-	-	-	1	-	-
Ewes 1 year old or older farms, 1987	10	4	22	2	2	27	36	58
1982	9	4	31	2	-	22	55	53
number, 1987	496	(D)	327	(D)	(D)	784	633	1 560
1982	340	75	629	(D)	-	718	596	1 628
Sheep and lambs shorn farms, 1987	10	4	18	2	2	26	37	59
1982	10	4	38	2	1	18	44	48
number, 1987	534	(D)	344	(D)	(D)	2 427	794	1 855
1982	532	65	980	(D)	(D)	1 119	730	1 989
pounds of wool, 1987	3 992	(D)	2 431	(D)	(D)	13 710	5 664	14 111
1982	3 381	411	7 182	(D)	(D)	7 584	5 866	15 662
Sheep and lambs sold farms, 1987	11	4	20	2	2	31	37	59
1982	10	4	43	2	1	21	47	51
number, 1987	449	(D)	307	(D)	(D)	1 832	615	1 377
1982	367	64	1 127	(D)	(D)	1 145	751	1 630
Sheep, lambs, and wool sold farms, 1987	11	4	22	2	2	33	41	64
1982	10	4	45	2	1	21	54	53
$1,000, 1987	28	(D)	26	(D)	(D)	106	(D)	117
1982	21	3	49	(D)	(D)	77	41	93
Horses and ponies inventory farms, 1987	36	17	226	27	15	134	208	180
1982	29	14	210	45	20	163	225	207
number, 1987	267	95	1 332	209	78	889	1 183	1 145
1982	228	89	1 038	202	185	856	1 176	1 366
Horses and ponies sold farms, 1987	14	3	58	6	3	41	64	48
1982	8	3	60	6	9	51	69	54
number, 1987	27	3	165	11	5	116	261	94
1982	18	(D)	179	19	21	200	190	224
$1,000, 1987	17	(Z)	165	4	1	346	312	58
1982	11	(D)	256	9	22	249	227	153

Table 13. **Sheep and Horses—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
Sheep and lambs inventory farms, 1987	29	-	54	15	26	182	12	2
1982	32	1	56	37	33	201	12	4
number, 1987	612	-	2 055	1 176	1 468	16 150	160	(D)
1982	1 042	(D)	1 841	1 166	1 151	18 945	126	104
1987 farms by inventory:								
1 to 24	18	-	29	12	12	52	11	-
25 to 99	11	-	18	2	9	79	1	2
100 to 299	-	-	7	-	5	43	-	-
300 to 999	-	-	-	-	-	6	-	-
1,000 or more	-	-	-	1	-	2	-	-
Ewes 1 year old or older farms, 1987	25	-	44	14	24	175	9	2
1982	25	-	51	31	27	186	9	2
number, 1987	461	-	1 219	740	971	8 715	119	(D)
1982	694	-	1 222	658	684	9 504	79	(D)
Sheep and lambs shorn farms, 1987	23	-	46	17	20	180	8	2
1982	26	-	52	33	26	191	8	3
number, 1987	648	-	1 350	667	1 005	16 956	138	(D)
1982	1 093	-	1 847	886	866	18 625	104	(D)
pounds of wool, 1987	5 574	-	11 304	5 899	7 168	126 009	1 205	(D)
1982	8 895	-	14 490	8 349	7 097	143 173	722	(D)
Sheep and lambs sold farms, 1987	25	-	50	18	24	182	10	2
1982	29	-	49	32	30	201	13	4
number, 1987	563	-	1 331	714	947	14 128	79	(D)
1982	1 030	-	1 589	590	540	15 219	164	89
Sheep, lambs, and wool sold farms, 1987	26	-	53	19	24	186	10	2
1982	29	-	55	35	31	206	15	4
$1,000, 1987	34	-	73	61	65	1 156	(D)	(D)
1982	47	-	81	33	32	929	5	4
Horses and ponies inventory farms, 1987	186	11	166	156	179	324	68	37
1982	196	15	181	194	197	312	80	35
number, 1987	883	47	949	762	872	2 411	1 083	171
1982	886	54	1 019	823	840	2 184	827	130
Horses and ponies sold farms, 1987	35	2	36	36	36	97	35	12
1982	41	2	45	37	38	102	35	10
number, 1987	108	(D)	83	286	132	262	109	26
1982	96	(D)	183	133	104	377	114	43
$1,000, 1987	117	(D)	167	92	316	485	224	13
1982	78	(D)	519	88	116	908	131	31

Table 14. **Poultry—Inventory and Sales: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Item	Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
INVENTORY							
Any poultry farms, 1987	4 327	24	5	125	50	35	27
1982	6 734	45	11	222	77	45	38
Chickens 3 months old or older farms, 1987	3 550	16	4	103	41	26	26
1982	5 788	39	10	188	72	37	35
number, 1987	8 428 623	(D)	56	1 209 323	1 256	(D)	2 961
1982	7 572 108	(D)	176	1 209 243	14 257	(D)	6 347
Hens and pullets of laying age farms, 1987	3 490	16	4	95	41	26	25
1982	5 710	39	10	182	71	37	35
number, 1987	7 152 993	(D)	56	904 627	1 187	(D)	2 866
1982	6 604 657	(D)	(D)	1 120 107	14 115	(D)	6 278
1987 farms by inventory:							
1 to 99	3 121	14	4	74	39	23	24
100 to 399	210	1	-	5	2	1	-
400 to 3,199	33	-	-	1	-	-	1
3,200 to 9,999	38	-	-	3	-	-	-
10,000 to 19,999	32	-	-	4	-	2	-
20,000 to 49,999	29	1	-	3	-	-	-
50,000 to 99,999	14	-	-	2	-	-	-
100,000 or more farms	15	-	-	3	-	-	-
number	4 576 219	-	-	570 000	-	-	-
Pullets 3 months old or older not of laying age farms, 1987	480	2	-	20	4	6	6
1982	683	2	1	18	5	-	6
number, 1987	1 275 630	(D)	-	304 696	69	(D)	95
1982	967 451	(D)	(D)	69 136	142	-	69
Pullet chicks and pullets under 3 months old farms, 1987	127	1	-	5	1	-	-
1982	183	1	-	11	3	2	1
number, 1987	1 277 299	(D)	-	178 881	(D)	-	-
1982	1 114 637	(D)	-	250 556	(D)	(D)	(D)
Broilers and other meat-type chickens farms, 1987	871	6	1	18	12	7	2
1982	1 530	10	6	53	14	6	9
number, 1987	158 461	732	(D)	(D)	815	206	(D)
1982	182 326	347	232	(D)	534	308	277
Turkeys farms, 1987	519	3	-	13	6	5	2
1982	689	3	3	11	7	5	4
number, 1987	731 166	32	-	161 129	46	31 601	(D)
1982	778 908	(D)	(D)	(D)	60	10 908	10
Turkey hens kept for breeding farms, 1987	169	-	-	4	1	3	1
1982	269	1	1	3	1	3	2
number, 1987	60 229	-	-	(D)	(D)	(D)	(D)
1982	43 754	(D)	(D)	4	(D)	(D)	(D)
Ducks, geese, and other poultry farms, 1987	1 169	4	1	40	16	7	4
1982	1 713	11	3	37	16	9	6
SALES							
Any poultry sold farms, 1987	2 063	10	-	74	22	19	13
1982	3 100	16	6	125	23	22	11
$1,000, 1987	116 432	(D)	-	12 434	7	1 273	28
1982	101 375	325	2	14 665	186	938	56
Hens and pullets sold farms, 1987	587	4	-	29	7	5	4
1982	1 074	4	1	68	7	8	6
number, 1987	6 611 462	(D)	-	1 042 549	343	(D)	1 178
1982	7 578 366	(D)	(D)	1 331 258	(D)	31 311	1 495
Hens and pullets of laying age sold farms, 1987	537	4	-	25	7	5	4
1982	1 013	4	1	58	7	8	6
number, 1987	4 650 856	(D)	-	451 729	(D)	(D)	1 178
1982	4 791 058	(D)	(D)	796 808	(D)	31 311	1 495
Pullets not of laying age sold farms, 1987	75	-	-	7	1	-	-
1982	81	-	-	13	-	-	-
number, 1987	1 960 606	-	-	590 820	(D)	-	-
1982	2 787 308	-	-	534 450	-	-	-
Broilers and other meat-type chickens sold farms, 1987	495	4	-	17	10	-	2
1982	636	4	1	28	4	2	2
number, 1987	702 431	(D)	-	5 210	1 942	-	(D)
1982	601 403	132	(D)	(D)	124	(D)	(D)
1987 farms by number sold:							
1 to 1,999	482	4	-	17	10	-	2
2,000 to 59,999	8	-	-	-	-	-	-
60,000 to 99,999	2	-	-	-	-	-	-
100,000 to 199,999	3	-	-	-	-	-	-
200,000 to 499,999	-	-	-	-	-	-	-
500,000 or more farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Turkeys sold farms, 1987	281	2	-	10	3	7	-
1982	265	-	1	9	2	3	-
number, 1987	2 906 878	(D)	-	(D)	17	76 111	-
1982	1 901 774	-	(D)	(D)	(D)	14 400	-
Turkeys for slaughter sold farms, 1987	267	2	-	10	3	5	-
1982	247	-	1	3	2	1	-
number, 1987	2 851 146	(D)	-	(D)	17	(D)	-
1982	1 850 774	-	(D)	(D)	(D)	(D)	-
Ducks, geese, and other poultry sold farms, 1987	309	-	-	11	5	4	1
1982	378	2	-	13	-	-	-

Table 14. Poultry—Inventory and Sales: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
INVENTORY							
Any poultry farms, 1987	7	72	35	16	76	79	86
1982	11	134	66	26	132	138	136
Chickens 3 months old or older farms, 1987	4	57	23	16	63	71	62
1982	10	120	64	26	118	111	116
number, 1987	102	1 983	1 796	435	(D)	11 137	81 685
1982	266	(D)	4 634	1 312	182 361	14 648	127 674
Hens and pullets of laying age farms, 1987	4	57	23	16	63	70	62
1982	10	120	63	26	114	110	115
number, 1987	(D)	1 959	(D)	(D)	(D)	(D)	81 410
1982	266	(D)	3 927	(D)	(D)	14 347	127 440
1987 farms by inventory:							
1 to 99	4	54	18	16	61	68	49
100 to 399	-	2	4	-	1	1	7
400 to 3,199	-	1	1	-	-	-	3
3,200 to 9,999	-	-	-	-	-	1	1
10,000 to 19,999	-	-	-	-	-	-	1
20,000 to 49,999	-	-	-	-	1	-	-
50,000 to 99,999	-	-	-	-	-	-	1
100,000 or more farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Pullets 3 months old or older not of laying age farms, 1987	1	6	1	1	6	5	7
1982	-	13	10	3	20	10	6
number, 1987	(D)	24	(D)	(D)	125	(D)	275
1982	-	146	707	(D)	(D)	301	234
Pullet chicks and pullets under 3 months old farms, 1987	-	1	-		-	1	2
1982	1	3	2	1	-	3	4
number, 1987	-	(D)	-	-	-	(D)	(D)
1982	(D)	(D)	(D)	(D)	-	130	210
Broilers and other meat-type chickens farms, 1987	2	7	15	2	12	19	15
1982	1	29	17	5	36	40	27
number, 1987	(D)	265	2 275	(D)	499	794	1 376
1982	(D)	1 061	1 072	123	1 774	2 691	14 744
Turkeys farms, 1987	-	8	6	2	4	4	9
1982	1	11	5	4	11	9	18
number, 1987	-	34 810	50	(D)	56	21	982
1982	(D)	41 648	52	40	56	24	460
Turkey hens kept for breeding farms, 1987	-	5	1	-	2	-	4
1982	-	5	3	3	4	2	6
number, 1987	-	(D)	(D)	-	(D)	-	(D)
1982	-	(D)	9	(D)	8	(D)	15
Ducks, geese, and other poultry farms, 1987	2	16	6	1	31	18	32
1982	1	30	13	4	44	33	33
SALES							
Any poultry sold farms, 1987	1	28	18	8	32	30	53
1982	3	55	38	11	45	57	65
$1,000, 1987	(D)	1 190	26	2	(D)	68	996
1982	1	2 323	67	9	1 477	117	1 277
Hens and pullets sold farms, 1987	-	5	2	-	7	5	21
1982	-	25	13	3	13	14	38
number, 1987	-	173	(D)	-	(D)	(D)	43 412
1982	-	68 319	(D)	62	181 901	7 345	87 907
Hens and pullets of laying age sold farms, 1987	-	5	2	-	7	5	19
1982	-	25	12	3	12	13	37
number, 1987	-	173	(D)	-	(D)	(D)	(D)
1982	-	68 319	1 299	62	(D)	(D)	(D)
Pullets not of laying age sold farms, 1987	-	-	-	-	-	-	2
1982	-	-	1	-	1	1	1
number, 1987	-	-	-	-	-	-	(D)
1982	-	-	(D)	-	(D)	(D)	(D)
Broilers and other meat-type chickens sold farms, 1987	-	7	9	2	8	8	9
1982	-	7	8	2	8	15	6
number, 1987	-	644	1 476	(D)	574	1 090	(D)
1982	-	203	606	(D)	771	2 086	(D)
1987 farms by number sold:							
1 to 1,999	-	7	9	2	8	8	8
2,000 to 59,999	-		-	-	-	-	-
60,000 to 99,999	-	-	-	-	-	-	-
100,000 to 199,999	-	-	-	-	-	-	1
200,000 to 499,999	-	-	-	-	-	-	-
500,000 or more farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Turkeys sold farms, 1987	-	6	1	1	1	3	6
1982	1	7	1	1	3	-	5
number, 1987	-	124 086	(D)	(D)	(D)	(D)	136
1982	(D)	98 514	(D)	(D)	27	-	(D)
Turkeys for slaughter sold farms, 1987	-	5	1	1	1	3	6
1982	1	6	1	1	3	-	5
number, 1987	-	(D)	(D)	(D)	(D)	(D)	(D)
1982	(D)	(D)	(D)	(D)	27	-	(D)
Ducks, geese, and other poultry sold farms, 1987	-	7	3	1	10	1	7
1982	-	4	4	1	5	10	7

Table 14. **Poultry—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
INVENTORY							
Any poultry farms, 1987	77	35	34	30	26	76	5
1982	113	41	40	40	36	126	7
Chickens 3 months old or older farms, 1987	64	27	31	24	19	66	5
1982	99	35	36	36	29	111	6
number, 1987	3 656	(D)	900	(D)	385	12 192	316
1982	59 257	26 968	1 444	(D)	817	26 994	162
Hens and pullets of laying age farms, 1987	63	27	31	24	18	65	4
1982	98	35	35	35	28	110	6
number, 1987	3 429	(D)	(D)	(D)	(D)	11 843	83
1982	(D)	26 916	(D)	(D)	714	27 440	162
1987 farms by inventory:							
1 to 99	61	25	30	21	18	59	4
100 to 399	1	-	1	1	-	5	-
400 to 3,199	1	1	-	1	-	-	-
3,200 to 9,999	-	1	-	-	-	1	-
10,000 to 19,999	-	-	-	-	-	-	-
20,00 to 49,999	-	-	-	-	-	-	-
50,000 to 99,999	-	-	-	1	-	-	-
100,000 or more farms	-	-	-	-	-	-	-
number	-	-	-	-	-		-
Pullets 3 months old or older not of laying age farms, 1987	10	4	2	4	2	8	4
1982	7	4	2	3	8	13	-
number, 1987	227	78	(D)	37	(D)	349	233
1982	(D)	52	(D)	(D)	103	1 554	-
Pullet chicks and pullets under 3 months old farms, 1987	-	3	-	-	-	1	2
1982	3	-	1	-	1	1	-
number, 1987	-	85	-	-	-	(D)	(D)
1982	(D)	-	(D)	-	(D)	(D)	-
Broilers and other meat-type chickens farms, 1987	10	7	7	5	5	18	-
1982	22	6	7	7	4	23	2
number, 1987	503	311	147	234	92	1 004	-
1982	1 505	573	215	268	152	855	(D)
Turkeys farms, 1987	11	3	5	1	2	10	3
1982	12	3	10	4	4	11	2
number, 1987	86	28	18	(D)	(D)	258	52
1982	68	3	87	(D)	30	70	(D)
Turkey hens kept for breeding farms, 1987	6	2	-	1	2	3	1
1982	7	2	3	2	2	2	2
number, 1987	68	(D)	-	(D)	(D)	(D)	(D)
1982	43	(D)	5	(D)	(D)	(D)	(D)
Ducks, geese, and other poultry farms, 1987	25	17	5	9	4	16	4
1982	42	9	6	6	13	30	4
SALES							
Any poultry sold farms, 1987	22	17	10	10	7	30	6
1982	47	15	21	19	9	55	2
$1,000, 1987	238	182	4	(D)	1	119	1
1982	857	312	8	710	2	321	(D)
Hens and pullets sold farms, 1987	6	5	-	4	2	8	1
1982	16	5	5	3	1	14	1
number, 1987	206	(D)	-	(D)	(D)	(D)	(D)
1982	14 480	17 636	523	(D)	(D)	(D)	(D)
Hens and pullets of laying age sold farms, 1987	5	5	-	4	2	7	1
1982	16	5	5	3	1	14	1
number, 1987	(D)	(D)	-	(D)	(D)	(D)	(D)
1982	14 480	17 636	523	(D)	(D)	(D)	(D)
Pullets not of laying age sold farms, 1987	2	1	-	-	-	2	-
1982	-	-	-	1	-	-	-
number, 1987	(D)	(D)	-	-	-	(D)	-
1982	-	-	-	(D)	-	-	-
Broilers and other meat-type chickens sold farms, 1987	5	3	3	1	2	7	-
1982	9	2	3	-	-	9	-
number, 1987	169	135	(D)	(D)	(D)	1 285	-
1982	1 304	(D)	34	-	-	427	-
1987 farms by number sold:							
1 to 1,999	5	3	3	1	2	7	-
2,000 to 59,999	-	-	-	-	-	-	-
60,000 to 99,999	-	-	-	-	-	-	-
100,000 to 199,999	-	-	-	-	-	-	-
200,000 to 499,999	-	-	-	-	-	-	-
500,000 or more farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Turkeys sold farms, 1987	1	1	1	1	2	5	1
1982	3	1	4	2	1	2	1
number, 1987	(D)	(D)	(D)	(D)	(D)	289	(D)
1982	(D)	(D)	57	(D)	(D)	(D)	(D)
Turkeys for slaughter sold farms, 1987	-	1	1	1	2	4	1
1982	3	1	4	2	1	2	1
number, 1987	-	(D)	(D)	(D)	(D)	(D)	(D)
1982	(D)	(D)	57	(D)	(D)	(D)	(D)
Ducks, geese, and other poultry sold farms, 1987	6	2	1	1	-	2	-
1982	6	2	1	1	2	5	1

Table 14. Poultry—Inventory and Sales: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
INVENTORY							
Any poultry farms, 1987	16	18	87	27	85	68	8
1982	51	20	139	48	110	76	8
Chickens 3 months old or older farms, 1987	13	12	73	26	74	60	4
1982	48	12	116	43	96	68	7
number, 1987	344	205	29 072	971	2 495	2 722	85
1982	1 890	622	53 882	1 376	12 821	3 774	868
Hens and pullets of laying age farms, 1987	13	12	69	26	73	60	4
1982	48	12	116	41	96	67	7
number, 1987	305	(D)	28 938	872	2 267	(D)	85
1982	1 784	(D)	53 673	1 309	12 665	3 429	(D)
1987 farms by inventory:							
1 to 99	13	12	65	24	70	54	4
100 to 399	-	-	1	2	3	6	-
400 to 3,199	-	-	-	-	-	-	-
3,200 to 9,999	-	-	2	-	-	-	-
10,000 to 19,999	-	-	1	-	-	-	-
20,000 to 49,999	-	-	-	-	-	-	-
50,000 to 99,999	-	-	-	-	-	-	-
100,000 or more farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Pullets 3 months old or older not of laying age farms, 1987	3	3	8	5	12	2	-
1982	4	1	9	6	12	13	1
number, 1987	39	(D)	134	99	228	(D)	-
1982	106	(D)	209	67	136	345	(D)
Pullet chicks and pullets under 3 months old farms, 1987	1	1	2	1	2	3	-
1982	3	2	4	-	4	1	-
number, 1987	(D)	(D)	(D)	(D)	(D)	(D)	-
1982	(D)	(D)	60	-	63	(D)	-
Broilers and other meat-type chickens farms, 1987	2	5	8	1	13	14	2
1982	11	4	26	9	20	19	2
number, 1987	(D)	167	394	(D)	713	2 429	(D)
1982	225	230	811	256	857	1 082	(D)
Turkeys farms, 1987	2	8	14	4	8	8	-
1982	9	3	16	6	12	6	4
number, 1987	(D)	44	108	15	27	62	-
1982	53	19	162	30	117	75	27
Turkey hens kept for breeding farms, 1987	-	1	6	-	1	2	-
1982	1	-	8	2	5	5	-
number, 1987	-	(D)	21	-	(D)	(D)	-
1982	(D)	-	52	(D)	20	25	-
Ducks, geese, and other poultry farms, 1987	2	6	20	6	23	8	2
1982	6	10	44	9	37	8	1
SALES							
Any poultry sold farms, 1987	5	2	42	13	39	30	2
1982	26	5	58	15	56	37	5
$1,000, 1987	2	(D)	208	5	14	24	(D)
1982	12	3	351	6	123	24	3
Hens and pullets sold farms, 1987	2	1	15	1	6	7	1
1982	9	2	19	1	18	9	1
number, 1987	(D)	(D)	24 699	(D)	274	596	(D)
1982	291	(D)	32 305	(D)	10 344	453	(D)
Hens and pullets of laying age sold farms, 1987	2	1	15	-	6	5	1
1982	9	2	18	1	18	9	1
number, 1987	(D)	(D)	24 699	-	274	(D)	(D)
1982	(D)	(D)	(D)	(D)	(D)	453	(D)
Pullets not of laying age sold farms, 1987	-	-	-	1	-	2	-
1982	1	-	1	-	2	-	-
number, 1987	-	-	-	(D)	-	(D)	-
1982	(D)	-	(D)	-	(D)	-	-
Broilers and other meat-type chickens sold farms, 1987	-	1	6	1	5	13	1
1982	6	1	11	-	11	9	1
number, 1987	-	(D)	688	(D)	277	2 905	(D)
1982	215	(D)	394	-	303	3 145	(D)
1987 farms by number sold:							
1 to 1,999	-	1	6	1	5	13	1
2,000 to 59,999	-	-	-	-	-	-	-
60,000 to 99,999	-	-	-	-	-	-	-
100,000 to 199,999	-	-	-	-	-	-	-
200,000 to 499,999	-	-	-	-	-	-	-
500,000 or more farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Turkeys sold farms, 1987	2	-	4	1	4	5	-
1982	5	-	6	1	5	1	2
number, 1987	(D)	-	27	(D)	76	110	-
1982	152	-	(D)	(D)	14	(D)	(D)
Turkeys for slaughter sold farms, 1987	2	-	4	1	4	4	-
1982	5	-	5	1	4	1	2
number, 1987	(D)	-	27	(D)	76	(D)	-
1982	152	-	(D)	(D)	(D)	(D)	(D)
Ducks, geese, and other poultry sold farms, 1987	1	-	11	3	8	-	-
1982	3	1	6	2	12	1	-

Table 14. **Poultry—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
INVENTORY								
Any poultry ....farms, 1987	38	69	97	18	76	73	61	32
1982	49	92	156	40	115	148	104	35
Chickens 3 months old or older ....farms, 1987	36	51	78	12	58	56	50	26
1982	46	81	124	29	92	124	87	32
number, 1987	1 032	135 721	72 215	(D)	1 141 641	23 928	(D)	747
1982	7 679	162 570	102 981	11 309	1 406 243	22 164	(D)	706
Hens and pullets of laying age ....farms, 1987	34	50	76	11	56	55	50	24
1982	45	78	124	28	90	123	87	31
number, 1987	966	(D)	(D)	(D)	965 636	23 704	(D)	567
1982	7 852	89 081	102 705	11 281	1 262 577	21 784	(D)	650
1987 farms by inventory:								
1 to 99	33	46	71	10	32	52	47	24
100 to 399	1	–	3	–	2	–	–	–
400 to 3,199	–	–	–	–	1	–	–	–
3,200 to 9,999	–	1	–	1	3	3	–	–
10,000 to 19,999	–	1	1	–	9	–	–	–
20,000 to 49,999	–	1	1	–	6	–	2	–
50,000 to 99,999	–	1	–	–	2	–	–	–
100,000 or more ....farms	–	–	–	–	1	–	1	–
number	–	–	–	–	(D)	–	(D)	–
Pullets 3 months old or older not of laying age ....farms, 1987	4	11	17	2	9	4	5	7
1982	5	8	11	3	8	14	13	5
number, 1987	66	(D)	(D)	(D)	176 005	224	(D)	180
1982	27	73 489	276	28	143 666	380	(D)	58
Pullet chicks and pullets under 3 months old ....farms, 1987	–	4	8	1	3	3	4	–
1982	–	4	6	1	4	3	6	–
number, 1987	–	(D)	(D)	(D)	(D)	(D)	(D)	–
1982	–	(D)	(D)	(D)	(D)	(D)	(D)	–
Broilers and other meat-type chickens ....farms, 1987	4	19	22	3	18	9	16	12
1982	11	24	30	9	31	28	28	10
number, 1987	64	396	881	(D)	(D)	309	619	868
1982	517	1 142	1 800	257	3 011	888	1 938	623
Turkeys ....farms, 1987	3	10	14	3	2	7	11	2
1982	7	10	11	10	7	18	10	2
number, 1987	(D)	70	129	91	(D)	36	(D)	(D)
1982	64	62	108	106	141	61	41	(D)
Turkey hens kept for breeding ....farms, 1987	–	4	3	1	–	3	3	1
1982	4	2	4	–	2	4	2	1
number, 1987	–	19	(D)	(D)	–	15	(D)	(D)
1982	5	(D)	14	–	(D)	12	(D)	(D)
Ducks, geese, and other poultry ....farms, 1987	10	23	29	7	14	25	15	10
1982	5	19	35	8	18	46	25	7
SALES								
Any poultry sold ....farms, 1987	13	31	45	10	51	14	16	12
1982	21	42	77	17	78	75	31	14
$1,000, 1987	3	1 237	554	(D)	11 544	241	(D)	5
1982	130	1 676	1 333	130	14 333	247	5 298	3
Hens and pullets sold ....farms, 1987	4	10	11	4	29	6	7	1
1982	5	21	20	3	45	25	8	4
number, 1987	109	203 290	99 264	(D)	1 011 121	23 064	(D)	(D)
1982	(D)	274 036	218 813	(D)	1 290 746	14 548	(D)	111
Hens and pullets of laying age sold ....farms, 1987	3	8	10	4	27	6	7	1
1982	5	16	18	3	40	25	8	4
number, 1987	(D)	(D)	(D)	(D)	(D)	23 064	(D)	(D)
1982	(D)	99 102	(D)	(D)	830 746	14 548	(D)	111
Pullets not of laying age sold ....farms, 1987	1	2	1	–	3	–	1	–
1982	–	7	2	–	6	–	–	–
number, 1987	(D)	(D)	(D)	–	(D)	–	(D)	–
1982	–	174 934	(D)	–	460 000	–	–	–
Broilers and other meat-type chickens sold ....farms, 1987	1	11	15	7	14	5	1	2
1982	2	8	19	2	16	12	9	4
number, 1987	(D)	657	1 742	353	(D)	1 685	(D)	(D)
1982	(D)	361	2 541	(D)	2 215	772	1 227	332
1987 farms by number sold:								
1 to 1,999	1	11	15	7	13	5	1	2
2,000 to 59,999	–	–	–	–	–	–	–	–
60,000 to 99,999	–	–	–	–	1	–	–	–
100,000 to 199,999	–	–	–	–	–	–	–	–
200,000 to 499,999	–	–	–	–	–	–	–	–
500,000 or more ....farms	–	–	–	–	–	–	–	–
number	–	–	–	–	–	–	–	–
Turkeys sold ....farms, 1987	–	5	7	3	5	1	3	1
1982	2	5	6	4	3	3	2	1
number, 1987	–	83	(D)	180	42	(D)	60	(D)
1982	(D)	34	(D)	59	(D)	37	(D)	(D)
Turkeys for slaughter sold ....farms, 1987	–	5	7	3	5	1	3	1
1982	2	5	6	4	3	3	2	1
number, 1987	–	83	(D)	180	42	(D)	60	(D)
1982	(D)	34	(D)	59	5	(D)	(D)	(D)
Ducks, geese, and other poultry sold ....farms, 1987	–	3	13	3	4	4	1	3
1982	1	8	5	1	5	6	3	2

Table 14. **Poultry—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
INVENTORY								
Any poultry farms, 1987	15	58	104	69	21	71	-	16
1982	18	91	168	117	16	168	1	28
Chickens 3 months old or older farms, 1987	13	46	94	59	18	62	-	16
1982	16	82	159	103	15	147	1	22
number, 1987	779	(D)	20 766	426 863	706	2 795	-	(D)
1982	1 220	(D)	16 833	253 529	390	(D)	(D)	3 332
Hens and pullets of laying age farms, 1987	13	46	93	59	18	62	-	16
1982	16	82	158	98	15	147	1	22
number, 1987	779	(D)	20 514	(D)	586	2 507	-	(D)
1982	(D)	(D)	16 653	160 348	390	(D)	(D)	3 277
1987 farms by inventory:								
1 to 99	11	42	87	49	17	53	-	14
100 to 399	2	3	5	3	1	9	-	-
400 to 3,199	-	-	-	-	-	-	-	2
3,200 to 9,999	-	-	-	1	-	-	-	-
10,000 to 19,999	-	-	1	-	-	-	-	-
20,000 to 49,999	-	-	-	4	-	-	-	-
50,000 to 99,999	-	-	-	1	-	-	-	-
100,000 or more farms	-	1	-	1	-	-	-	-
number	-	(D)	-	(D)	-	-	-	-
Pullets 3 months old or older not of laying age farms, 1987	-	6	13	8	5	8	-	1
1982	3	9	13	22	-	16	-	4
number, 1987	-	(D)	252	(D)	120	288	-	(D)
1982	(D)	408	180	93 181	-	1 028	-	55
Pullet chicks and pullets under 3 months old farms, 1987	-	3	3	3	-	2	-	1
1982	-	5	5	3	-	7	-	-
number, 1987	-	(D)	(D)	(D)	-	(D)	-	(D)
1982	-	(D)	85	123	-	(D)	-	-
Broilers and other meat-type chickens farms, 1987	2	21	13	17	6	13	-	2
1982	4	30	26	27	4	38	-	6
number, 1987	(D)	734	633	1 030	257	811	-	(D)
1982	88	1 045	514	1 023	(D)	2 000	-	126
Turkeys farms, 1987	1	4	14	12	1	9	-	2
1982	3	10	21	10	1	13	-	3
number, 1987	(D)	35	74	58	(D)	52	-	(D)
1982	19	29	119	32	(D)	65	-	5
Turkey hens kept for breeding farms, 1987	-	3	4	5	1	5	-	1
1982	-	6	15	4	1	4	-	1
number, 1987	-	(D)	25	20	(D)	36	-	(D)
1982	-	11	66	7	(D)	16	-	(D)
Ducks, geese, and other poultry farms, 1987	3	10	28	17	2	28	-	3
1982	3	25	51	28	4	43	-	10
SALES								
Any poultry sold farms, 1987	4	21	49	43	10	41	-	10
1982	10	32	83	59	9	70	1	9
$1,000, 1987	(D)	(D)	96	3 501	2	16	-	(D)
1982	42	1 427	177	1 700	1	930	(D)	34
Hens and pullets sold farms, 1987	1	4	16	17	4	6	-	1
1982	3	11	21	23	1	17	-	3
number, 1987	(D)	(D)	(D)	247 458	165	151	-	(D)
1982	140	(D)	(D)	142 643	(D)	(D)	-	(D)
Hens and pullets of laying age sold farms, 1987	1	4	16	15	4	6	-	1
1982	3	10	21	21	1	17	-	3
number, 1987	(D)	(D)	(D)	(D)	165	151	-	(D)
1982	140	(D)	(D)	(D)	(D)	(D)	-	(D)
Pullets not of laying age sold farms, 1987	-	-	-	3	-	-	-	-
1982	-	1	-	2	-	1	-	1
number, 1987	-	-	-	(D)	-	-	-	-
1982	-	(D)	-	(D)	-	(D)	-	(D)
Broilers and other meat-type chickens sold farms, 1987	-	8	8	16	2	10	-	1
1982	1	4	25	12	2	17	-	1
number, 1987	-	636	988	2 294	(D)	880	-	(D)
1982	(D)	138	1 313	774	(D)	1 973	-	(D)
1987 farms by number sold:								
1 to 1,999	-	8	8	16	2	10	-	1
2,000 to 59,999	-	-	-	-	-	-	-	-
60,000 to 99,999	-	-	-	-	-	-	-	-
100,000 to 199,999	-	-	-	-	-	-	-	-
200,000 to 499,999	-	-	-	-	-	-	-	-
500,000 or more farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Turkeys sold farms, 1987	-	1	7	4	1	1	-	-
1982	2	1	6	2	1	4	-	-
number, 1987	-	(D)	199	116	(D)	(D)	-	-
1982	(D)	(D)	27	(D)	(D)	21	-	-
Turkeys for slaughter sold farms, 1987	-	1	7	4	1	1	-	-
1982	2	1	6	2	-	4	-	-
number, 1987	-	(D)	199	116	(D)	(D)	-	-
1982	(D)	(D)	(D)	(D)	-	21	-	-
Ducks, geese, and other poultry sold farms, 1987	1	2	7	8	-	4	-	1
1982	1	1	18	6	-	14	-	1

Table 14. **Poultry—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
INVENTORY								
Any poultry farms, 1987	121	25	86	86	3	10	65	38
1982	171	48	131	123	3	17	92	50
Chickens 3 months old or older farms, 1987	97	21	68	73	3	9	53	34
1982	143	39	111	112	2	13	73	44
number, 1987	5 963	7 835	(D)	2 260	220	886	19 025	958
1982	11 608	(D)	86 563	8 197	(D)	866	54 045	1 726
Hens and pullets of laying age farms, 1987	94	21	66	73	3	9	53	33
1982	142	39	110	112	2	13	72	44
number, 1987	5 601	(D)	8 715	2 037	220	(D)	(D)	837
1982	11 142	(D)	(D)	7 941	(D)	(D)	53 380	1 603
1987 farms by inventory:								
1 to 99	87	18	58	69	2	6	46	33
100 to 399	6	-	5	4	1	2	4	-
400 to 3,199	1	2	2	-	-	1	2	-
3,200 to 9,999	-	1	1	-	-	-	-	-
10,000 to 19,999	-	-	-	-	-	-	1	-
20,000 to 49,999	-	-	-	-	-	-	-	-
50,000 to 99,999	-	-	-	-	-	-	-	-
100,000 or more farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Pullets 3 months old or older not of laying age farms, 1987	14	1	8	12	-	1	12	7
1982	19	3	11	18	-	1	9	6
number, 1987	362	(D)	(D)	223	-	(D)	(D)	121
1982	466	64	(D)	256	-	(D)	665	123
Pullet chicks and pullets under 3 months old farms, 1987	6	-	2	1	-	1	-	-
1982	5	2	2	5	-	-	-	-
number, 1987	141	-	(D)	(D)	-	(D)	-	-
1982	148	(D)	(D)	248	-	-	-	-
Broilers and other meat-type chickens farms, 1987	29	7	19	5	1	2	19	9
1982	36	17	31	25	-	3	26	14
number, 1987	1 420	395	818	(D)	(D)	(D)	4 303	104
1982	2 482	503	1 942	905	-	113	2 475	860
Turkeys farms, 1987	13	1	14	15	-	1	13	5
1982	23	4	7	15	1	3	10	6
number, 1987	859	(D)	(D)	201	-	(D)	517	50
1982	554	(D)	(D)	168	(D)	41	168	18
Turkey hens kept for breeding farms, 1987	6	-	4	7	-	1	2	3
1982	9	-	1	5	-	1	3	2
number, 1987	27	-	(D)	45	-	(D)	(D)	9
1982	20	-	(D)	18	-	(D)	4	(D)
Ducks, geese, and other poultry farms, 1987	38	4	22	22	1	3	17	9
1982	48	5	37	26	1	7	23	15
SALES								
Any poultry sold farms, 1987	56	13	38	41	2	11	40	20
1982	86	19	71	60	5	10	47	20
$1,000, 1987	197	(D)	735	60	(D)	7	159	2
1982	95	251	790	89	55	5	604	4
Hens and pullets sold farms, 1987	17	3	8	18	1	-	8	5
1982	19	7	29	16	4	2	21	5
number, 1987	3 546	(D)	(D)	1 285	(D)	-	(D)	124
1982	5 866	(D)	153 361	4 566	7 020	(D)	(D)	250
Hens and pullets of laying age sold farms, 1987	11	3	6	18	1	-	8	4
1982	18	7	27	15	4	2	21	5
number, 1987	(D)	(D)	(D)	(D)	(D)	-	(D)	(D)
1982	(D)	(D)	(D)	(D)	7 020	(D)	(D)	250
Pullets not of laying age sold farms, 1987	6	-	2	1	-	-	-	1
1982	1	-	4	1	-	-	1	-
number, 1987	(D)	-	(D)	(D)	-	-	-	(D)
1982	(D)	-	(D)	(D)	-	-	(D)	-
Broilers and other meat-type chickens sold farms, 1987	19	1	8	7	-	2	9	9
1982	27	2	17	12	-	1	15	6
number, 1987	2 374	(D)	1 075	(D)	-	(D)	4 905	484
1982	1 966	(D)	3 327	619	-	(D)	3 457	509
1987 farms by number sold:								
1 to 1,999	19	1	8	5	-	2	9	9
2,000 to 59,999	-	-	-	2	-	-	-	-
60,000 to 99,999	-	-	-	-	-	-	-	-
100,000 to 199,999	-	-	-	-	-	-	-	-
200,000 to 499,999	-	-	-	-	-	-	-	-
500,000 or more farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Turkeys sold farms, 1987	15	1	8	14	-	3	14	1
1982	12	-	9	8	-	1	8	1
number, 1987	1 320	(D)	(D)	550	-	15	1 823	(D)
1982	572	-	(D)	(D)	-	(D)	340	(D)
Turkeys for slaughter sold farms, 1987	15	1	8	14	-	3	14	1
1982	12	-	9	7	-	1	7	1
number, 1987	1 320	(D)	(D)	(D)	-	15	1 823	(D)
1982	572	-	(D)	(D)	-	(D)	(D)	(D)
Ducks, geese, and other poultry sold farms, 1987	10	3	2	5	-	1	5	3
1982	11	-	8	7	-	3	5	1

Table 14. **Poultry—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
INVENTORY								
Any poultry farms, 1987	16	42	72	41	44	21	117	91
1982	31	50	89	66	69	35	180	137
Chickens 3 months old or older farms, 1987	15	32	56	36	38	19	95	81
1982	26	46	73	54	53	30	150	125
number, 1987	409	(D)	2 719	(D)	1 124	508	56 869	2 571
1982	839	13 691	3 734	20 604	1 982	(D)	100 866	10 279
Hens and pullets of laying age farms, 1987	14	30	55	36	38	19	94	78
1982	26	45	70	54	53	27	150	125
number, 1987	(D)	(D)	2 036	(D)	1 021	(D)	56 637	2 463
1982	651	(D)	3 088	20 346	1 562	(D)	100 433	10 042
1987 farms by inventory:								
1 to 99	14	28	50	33	37	19	75	73
100 to 399	-	1	5	2	1	-	14	5
400 to 3,199	-	-	-	-	-	-	1	-
3,200 to 9,999	-	1	-	-	-	-	3	-
10,000 to 19,999	-	-	-	1	-	-	-	-
20,000 to 49,999	-	-	-	-	-	-	1	-
50,000 to 99,999	-	-	-	-	-	-	-	-
100,000 or more farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Pullets 3 months old or older not of laying age farms, 1987	2	6	9	1	4	2	9	4
1982	5	2	19	6	9	5	19	12
number, 1987	(D)	54	683	(D)	103	(D)	232	108
1982	186	(D)	646	258	420	141	433	237
Pullet chicks and pullets under 3 months old farms, 1987	-	-	2	-	-	2	5	-
1982	1	1	1	2	1	1	5	4
number, 1987	-	-	(D)	-	-	(D)	120	-
1982	(D)	(D)	(D)	(D)	(D)	(D)	37	235
Broilers and other meat-type chickens farms, 1987	4	10	19	9	14	3	15	14
1982	6	13	23	8	20	8	40	30
number, 1987	143	997	703	322	592	(D)	1 202	639
1982	85	312	1 040	163	632	411	9 278	2 031
Turkeys farms, 1987	5	5	6	5	3	2	15	8
1982	9	4	11	9	6	3	29	13
number, 1987	75	72	34	23	8	(D)	246	26
1982	76	7	51	56	83	20	357	(D)
Turkey hens kept for breeding farms, 1987	1	2	3	3	-	-	4	3
1982	5	2	5	3	2	2	8	9
number, 1987	(D)	(D)	(D)	(D)	-	-	12	(D)
1982	11	(D)	23	3	(D)	(D)	44	(D)
Ducks, geese, and other poultry farms, 1987	4	11	17	9	11	6	42	18
1982	12	14	25	17	23	11	73	19
SALES								
Any poultry sold farms, 1987	7	20	28	20	18	5	68	36
1982	21	25	40	21	27	11	96	55
$1,000, 1987	3	(D)	61	(D)	2	2	833	(D)
1982	3	124	31	266	5	152	1 624	486
Hens and pullets sold farms, 1987	1	5	6	1	8	1	19	6
1982	7	10	9	8	7	2	33	22
number, 1987	(D)	(D)	200	(D)	235	(D)	25 065	96
1982	106	(D)	674	(D)	232	(D)	68 888	(D)
Hens and pullets of laying age sold farms, 1987	1	5	5	1	8	1	19	6
1982	6	10	9	8	7	2	31	22
number, 1987	(D)	(D)	(D)	(D)	(D)	(D)	(D)	96
1982	(D)	(D)	674	(D)	232	(D)	68 688	(D)
Pullets not of laying age sold farms, 1987	-	-	1	-	1	-	3	-
1982	1	-	-	-	-	-	3	-
number, 1987	-	-	(D)	-	(D)	-	(D)	-
1982	(D)	-	-	-	-	-	200	-
Broilers and other meat-type chickens sold farms, 1987	1	6	7	2	5	2	15	4
1982	4	2	10	2	5	3	28	8
number, 1987	(D)	1 615	(D)	(D)	373	(D)	2 945	130
1982	163	(D)	795	(D)	540	(D)	17 955	402
1987 farms by number sold:								
1 to 1,999	1	6	7	2	5	2	15	4
2,000 to 59,999	-	-	-	-	-	-	-	-
60,000 to 99,999	-	-	-	-	-	-	-	-
100,000 to 199,999	-	-	-	-	-	-	-	-
200,000 to 499,999	-	-	-	-	-	-	-	-
500,000 or more farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Turkeys sold farms, 1987	3	2	5	-	-	1	17	4
1982	3	2	3	-	4	1	17	2
number, 1987	(D)	(D)	200	-	-	(D)	801	(D)
1982	(D)	(D)	17	-	48	(D)	789	(D)
Turkeys for slaughter sold farms, 1987	3	2	3	-	-	1	15	4
1982	3	2	2	-	4	1	16	1
number, 1987	(D)	(D)	(D)	-	-	(D)	(D)	(D)
1982	(D)	(D)	(D)	-	48	(D)	(D)	(D)
Ducks, geese, and other poultry sold farms, 1987	2	1	6	3	3	1	12	3
1982	6	3	6	2	10	1	23	5

Table 14. **Poultry—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
INVENTORY								
Any poultry farms, 1987	10	39	46	79	65	27	15	51
1982	20	60	103	110	77	51	18	63
Chickens 3 months old or older farms, 1987	9	33	40	69	53	23	12	41
1982	19	52	91	91	67	44	14	56
number, 1987	237	1 271	108 787	2 181	(D)	607	314	1 731
1982	763	1 685	186 521	3 130	59 050	1 311	437	(D)
Hens and pullets of laying age farms, 1987	9	31	40	69	53	23	12	40
1982	19	52	88	90	66	42	14	57
number, 1987	237	1 131	108 743	2 090	(D)	(D)	314	1 386
1982	(D)	1 598	(D)	2 834	(D)	1 203	437	(D)
1987 farms by inventory:								
1 to 99	9	29	34	64	49	23	11	36
100 to 399	-	2	1	5	2	-	1	4
400 to 3,199	-	-	-	-	-	-	-	-
3,200 to 9,999	-	-	2	-	-	-	-	-
10,000 to 19,999	-	-	1	-	1	-	-	-
20,000 to 49,999	-	-	1	-	1	-	-	-
50,000 to 99,999	-	-	1	-	-	-	-	-
100,000 or more farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Pullets 3 months old or older not of laying age farms, 1987	-	5	5	9	2	4	-	9
1982	1	9	11	18	12	4	-	10
number, 1987	-	140	44	91	(D)	(D)	-	345
1982	(D)	86	(D)	296	(D)	108	-	195
Pullet chicks and pullets under 3 months old farms, 1987	-	-	-	3	-	-	-	5
1982	-	1	1	4	3	-	-	2
number, 1987	-	-	-	95	-	-	-	144
1982	-	(D)	(D)	48	70	-	-	(D)
Broilers and other meat-type chickens farms, 1987	4	9	9	12	5	6	3	11
1982	7	15	16	27	15	13	6	17
number, 1987	(D)	531	124	744	72	486	129	469
1982	503	610	642	971	621	778	157	428
Turkeys farms, 1987	-	2	3	10	5	6	1	7
1982	1	3	4	14	8	7	1	5
number, 1987	-	(D)	47	66	25	40	(D)	53
1982	(D)	4	(D)	159	38	25	(D)	25
Turkey hens kept for breeding farms, 1987	-	1	1	4	2	2	1	4
1982	1	1	4	8	1	2	-	2
number, 1987	-	(D)	(D)	20	(D)	(D)	(D)	14
1982	(D)	(D)	(D)	22	(D)	(D)	-	(D)
Ducks, geese, and other poultry farms, 1987	3	10	11	34	18	6	4	13
1982	1	12	27	36	15	6	5	16
SALES								
Any poultry sold farms, 1987	4	23	18	44	26	11	7	18
1982	8	32	45	55	41	8	11	22
$1,000, 1987	(D)	14	1 217	23	(D)	1	3	9
1982	4	21	2 028	32	568	3	3	292
Hens and pullets sold farms, 1987	1	7	8	10	10	1	5	3
1982	5	9	16	16	15	1	7	7
number, 1987	(D)	375	102 828	503	(D)	(D)	80	1 400
1982	320	(D)	134 729	594	(D)	(D)	205	(D)
Hens and pullets of laying age sold farms, 1987	1	6	8	8	10	1	5	3
1982	5	9	15	15	15	1	7	7
number, 1987	(D)	(D)	(D)	(D)	(D)	(D)	80	600
1982	320	(D)	(D)	(D)	(D)	(D)	205	(D)
Pullets not of laying age sold farms, 1987	-	1	1	3	-	-	-	3
1982	-	-	1	1	-	-	-	-
number, 1987	-	(D)	(D)	(D)	-	-	-	800
1982	-	-	(D)	(D)	-	-	-	-
Broilers and other meat-type chickens sold farms, 1987	1	8	4	7	5	3	-	2
1982	6	8	7	17	13	2	1	3
number, 1987	(D)	1 879	(D)	2 019	1 085	(D)	-	(D)
1982	650	1 435	529	932	1 409	(D)	(D)	(D)
1987 farms by number sold:								
1 to 1,999	1	8	4	7	5	3	-	2
2,000 to 59,999	-	-	-	-	-	-	-	-
60,000 to 99,999	-	-	-	-	-	-	-	-
100,000 to 199,999	-	-	-	-	-	-	-	-
200,000 to 499,999	-	-	-	-	-	-	-	-
500,000 or more farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Turkeys sold farms, 1987	-	2	1	8	2	-	-	1
1982	2	-	4	8	3	-	-	-
number, 1987	-	(D)	(D)	125	(D)	-	-	(D)
1982	(D)	-	126	406	(D)	-	-	-
Turkeys for slaughter sold farms, 1987	-	1	1	8	2	-	-	1
1982	2	-	1	8	3	-	-	-
number, 1987	-	(D)	(D)	125	(D)	-	-	(D)
1982	(D)	-	(D)	406	(D)	-	-	-
Ducks, geese, and other poultry sold farms, 1987	-	3	2	15	6	1	-	2
1982	-	5	3	12	2	-	1	1

Table 14. **Poultry—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
INVENTORY								
Any poultry farms, 1987	19	19	107	47	7	104	96	101
1982	26	32	153	74	11	168	167	153
Chickens 3 months old or older farms, 1987	17	18	69	42	4	91	69	85
1982	26	24	117	65	10	147	142	138
number, 1987	1 005	473	2 392 286	1 608	91	18 578	(D)	90 216
1982	913	1 022	1 200 993	2 685	887	38 419	132 388	118 458
Hens and pullets of laying age farms, 1987	17	17	65	42	4	91	68	84
1982	26	24	111	65	10	144	139	134
number, 1987	917	(D)	2 052 326	1 527	(D)	18 392	(D)	69 963
1982	836	(D)	986 270	2 561	887	37 717	(D)	(D)
1987 farms by inventory:								
1 to 99	14	17	44	38	4	77	64	75
100 to 399	3	-	7	4	-	11	3	3
400 to 3,199	-	-	1	-	-	1	-	1
3,200 to 9,999	-	-	2	-	-	2	-	2
10,000 to 19,999	-	-	2	-	-	-	-	-
20,000 to 49,999	-	-	2	-	-	-	-	3
50,000 to 99,999	-	-	-	-	-	-	1	-
100,000 or more farms	-	-	7	-	-	-	-	-
number	-	-	1 951 810	-	-	-	-	-
Pullets 3 months old or older not of laying age farms, 1987	3	2	14	4	1	14	5	8
1982	4	2	18	8	-	13	26	11
number, 1987	88	(D)	339 960	81	(D)	186	101	233
1982	77	(D)	214 723	124	-	702	(D)	(D)
Pullet chicks and pullets under 3 months old farms, 1987	-	1	10	1	-	3	3	1
1982	-	-	10	1	-	5	9	-
number, 1987	-	(D)	470 215	(D)	-	65	(D)	(D)
1982	-	-	299 800	(D)	-	(D)	(D)	-
Broilers and other meat-type chickens farms, 1987	6	4	27	16	1	18	27	23
1982	6	9	33	21	1	39	48	43
number, 1987	(D)	114	77 775	1 400	(D)	546	4 108	2 266
1982	272	509	36 993	659	(D)	1 813	2 471	2 259
Turkeys farms, 1987	1	-	20	5	-	9	15	10
1982	-	-	16	2	1	11	19	13
number, 1987	(D)	-	489 379	51	-	50	140	137
1982	-	-	622 092	(D)	(D)	123	114	274
Turkey hens kept for breeding farms, 1987	-	-	6	1	-	1	3	1
1982	-	-	3	-	1	3	10	6
number, 1987	-	-	(D)	(D)	-	(D)	17	(D)
1982	-	-	(D)	-	(D)	12	15	9
Ducks, geese, and other poultry farms, 1987	3	2	26	3	5	35	25	18
1982	5	11	30	5	3	37	55	27
SALES								
Any poultry sold farms, 1987	11	6	81	24	3	56	52	48
1982	12	10	114	25	4	83	82	59
$1,000, 1987	7	1	50 634	10	(D)	149	(D)	1 455
1982	5	3	28 492	9	6	443	3 292	1 312
Hens and pullets sold farms, 1987	2	3	30	2	1	16	11	13
1982	2	1	57	3	1	34	30	22
number, 1987	(D)	175	1 824 757	(D)	(D)	(D)	149 368	85 118
1982	(D)	(D)	1 580 312	(D)	(D)	56 606	158 964	110 838
Hens and pullets of laying age sold farms, 1987	1	3	21	2	1	16	8	13
1982	2	1	45	3	1	33	27	21
number, 1987	(D)	175	1 381 967	(D)	(D)	(D)	(D)	85 118
1982	(D)	(D)	779 712	(D)	(D)	(D)	(D)	(D)
Pullets not of laying age sold farms, 1987	1	-	11	-	-	-	3	-
1982	-	-	14	-	-	1	3	2
number, 1987	(D)	-	442 790	-	-	-	(D)	-
1982	-	-	800 600	-	-	(D)	(D)	(D)
Broilers and other meat-type chickens sold farms, 1987	3	1	21	7	-	7	19	14
1982	5	2	27	2	-	9	21	11
number, 1987	760	(D)	369 297	800	-	669	2 995	2 577
1982	635	(D)	120 392	(D)	-	680	3 627	1 306
1987 farms by number sold:								
1 to 1,999	3	1	15	7	-	7	19	14
2,000 to 59,999	-	-	3	-	-	-	-	-
60,000 to 99,999	-	-	1	-	-	-	-	-
100,000 to 199,999	-	-	2	-	-	-	-	-
200,000 to 499,999	-	-	-	-	-	-	-	-
500,000 or more farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Turkeys sold farms, 1987	-	-	11	-	-	2	10	5
1982	-	-	12	-	-	4	10	3
number, 1987	-	-	2 301 472	-	-	(D)	181	88
1982	-	-	1 518 500	-	-	(D)	367	19
Turkeys for slaughter sold farms, 1987	-	-	10	-	-	2	10	5
1982	-	-	10	-	-	4	10	2
number, 1987	-	-	(D)	-	-	(D)	181	88
1982	-	-	(D)	-	-	(D)	367	(D)
Ducks, geese, and other poultry sold farms, 1987	-	1	6	2	2	7	9	6
1982	-	-	10	1	-	9	18	8

Table 14. **Poultry—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
INVENTORY								
Any poultry farms, 1987	105	2	86	83	100	128	46	18
1982	159	7	132	147	150	199	50	26
Chickens 3 months old or older farms, 1987	71	1	73	64	79	113	43	16
1982	132	6	112	115	133	171	46	26
number, 1987	24 264	(D)	32 128	460 071	(D)	30 919	4 551	413
1982	29 942	216	35 861	477 759	(D)	33 700	7 496	750
Hens and pullets of laying age farms, 1987	69	1	73	63	77	113	43	16
1982	130	6	110	115	131	171	45	26
number, 1987	(D)	(D)	31 934	(D)	(D)	(D)	(D)	376
1982	(D)	(D)	22 979	(D)	(D)	33 459	7 210	735
1987 farms by inventory:								
1 to 99	58	1	66	49	66	94	40	15
100 to 399	9	-	3	4	6	16	2	1
400 to 3,199	2	-	-	-	3	2	1	-
3,200 to 9,999	-	-	4	-	-	-	-	-
10,000 to 19,999	-	-	-	4	1	1	-	-
20,000 to 49,999	-	-	-	2	-	-	-	-
50,000 to 99,999	-	-	-	3	1	-	-	-
100,000 or more farms	-	-	-	1	-	-	-	-
number	-	-	-	(D)	-	-	-	-
Pullets 3 months old or older not of laying age farms, 1987	12	-	11	9	16	16	3	4
1982	10	1	21	8	21	10	7	3
number, 1987	(D)	-	194	(D)	400	(D)	(D)	37
1982	(D)	(D)	12 882	(D)	381	241	286	15
Pullet chicks and pullets under 3 months old farms, 1987	3	-	5	4	4	3	-	-
1982	3	-	4	6	3	3	2	-
number, 1987	99	-	(D)	(D)	(D)	45	-	-
1982	(D)	-	207	(D)	20	(D)	(D)	-
Broilers and other meat-type chickens farms, 1987	32	1	20	17	20	18	6	5
1982	38	1	42	28	35	33	10	6
number, 1987	1 805	(D)	1 065	574	962	1 360	37	(D)
1982	2 213	(D)	1 621	1 363	1 879	4 740	983	79
Turkeys farms, 1987	15	-	12	16	15	14	4	4
1982	9	-	11	24	29	17	6	3
number, 1987	153	-	178	260	(D)	168	14	65
1982	122	-	102	166	(D)	259	79	18
Turkey hens kept for breeding farms, 1987	5	-	4	10	4	-	-	-
1982	4	-	5	11	18	5	1	1
number, 1987	13	-	27	58	(D)	-	-	-
1982	10	-	33	35	(D)	13	(D)	(D)
Ducks, geese, and other poultry farms, 1987	29	1	29	26	36	32	13	2
1982	48	3	45	42	53	55	20	4
SALES								
Any poultry sold farms, 1987	54	-	45	52	53	65	20	6
1982	51	4	56	64	68	121	25	9
$1,000, 1987	169	-	302	4 271	1 122	236	104	3
1982	181	1	254	5 931	1 851	350	68	1
Hens and pullets sold farms, 1987	14	-	16	22	12	15	8	1
1982	14	-	19	29	21	43	9	-
number, 1987	(D)	-	21 377	366 530	(D)	(D)	(D)	(D)
1982	(D)	-	25 208	331 301	48 570	17 248	3 145	-
Hens and pullets of laying age sold farms, 1987	13	-	16	21	9	15	8	1
1982	13	-	19	28	20	43	9	-
number, 1987	426	-	(D)	(D)	(D)	(D)	1 089	(D)
1982	3 946	-	(D)	(D)	(D)	17 248	3 145	-
Pullets not of laying age sold farms, 1987	2	-	1	1	3	-	1	-
1982	1	-	2	2	1	-	-	-
number, 1987	(D)	-	(D)	(D)	(D)	-	(D)	-
1982	(D)	-	(D)	(D)	(D)	-	-	-
Broilers and other meat-type chickens sold farms, 1987	17	-	14	17	8	10	2	3
1982	12	1	14	16	13	15	5	1
number, 1987	2 283	-	977	1 223	380	(D)	(D)	565
1982	587	(D)	1 010	1 746	1 264	12 664	2 325	(D)
1987 farms by number sold:								
1 to 1,999	17	-	14	17	8	8	1	3
2,000 to 59,999	-	-	-	-	-	2	1	-
60,000 to 99,999	-	-	-	-	-	-	-	-
100,000 to 199,999	-	-	-	-	-	-	-	-
200,000 to 499,999	-	-	-	-	-	-	-	-
500,000 or more farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Turkeys sold farms, 1987	7	-	6	7	11	7	5	1
1982	4	-	4	4	8	15	4	-
number, 1987	214	-	804	429	4 429	(D)	(D)	(D)
1982	97	-	(D)	33	(D)	582	(D)	-
Turkeys for slaughter sold farms, 1987	7	-	5	7	10	7	5	1
1982	4	-	3	4	8	15	4	-
number, 1987	214	-	(D)	(D)	(D)	(D)	(D)	(D)
1982	(D)	-	(D)	33	(D)	(D)	(D)	-
Ducks, geese, and other poultry sold farms, 1987	11	-	4	9	8	9	7	-
1982	10	1	10	4	10	11	9	1

Table 15. **Selected Crops: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Crop	Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
Harvested cropland farms, 1987	46 017	184	59	1 431	388	204	312
1982	53 738	268	73	1 637	418	241	354
acres, 1987	6 172 468	14 390	6 209	147 135	34 589	24 329	52 407
1982	7 255 909	19 700	6 469	185 981	34 934	28 831	58 698
Irrigated farms, 1987	3 684	4	7	182	16	35	16
1982	3 150	2	4	120	10	37	7
acres, 1987	312 073	57	(D)	9 692	131	3 971	(D)
1982	284 047	(D)	(D)	7 122	98	(D)	(D)
Corn for grain or seed farms, 1987	25 140	35	6	827	94	81	175
1982	30 792	25	3	1 107	100	80	200
acres, 1987	1 982 401	1 537	138	69 009	3 373	4 439	11 538
1982	2 568 541	1 248	60	100 601	3 502	5 338	13 424
bushels, 1987	189 779 819	155 740	13 800	6 221 646	302 645	416 034	1 093 357
1982	256 473 754	87 364	5 200	10 332 740	220 306	394 686	1 149 050
Irrigated farms, 1987	979	-	-	37	-	5	4
1982	814	-	-	25	-	3	2
acres, 1987	134 704	-	-	3 137	-	(D)	166
1982	135 474	-	-	2 808	-	(D)	(D)
1987 farms by acres harvested:							
1 to 24 acres	10 135	20	4	291	51	36	61
25 to 99 acres	9 569	12	2	355	35	30	85
100 to 249 acres	3 689	1	-	122	7	13	19
250 acres or more	1 747	2	-	59	1	2	10
Wheat for grain farms, 1987	10 327	13	-	288	50	17	100
1982	15 416	45	-	399	142	34	112
acres, 1987	356 073	468	-	6 329	803	1 031	3 559
1982	513 445	1 411	-	9 862	3 478	1 560	4 041
bushels, 1987	16 465 394	19 762	-	267 034	29 624	35 614	185 507
1982	20 764 229	63 216	-	421 131	165 811	42 206	222 500
Irrigated farms, 1987	80	-	-	2	-	3	2
1982	59	-	-	1	-	3	1
acres, 1987	5 851	-	-	(D)	-	(D)	(D)
1982	5 041	-	-	(D)	-	(D)	(D)
1987 farms by acres harvested:							
1 to 24 acres	5 899	7	-	195	41	11	53
25 to 99 acres	3 776	6	-	64	9	4	43
100 to 249 acres	583	-	-	4	-	1	3
250 acres or more	69	-	-	3	-	1	1
Soybeans for beans farms, 1987	12 734	4	-	93	9	-	94
1982	14 905	2	-	118	6	-	128
acres, 1987	1 023 599	(D)	-	5 452	487	-	4 476
1982	1 122 617	(D)	-	5 926	406	-	6 918
bushels, 1987	36 267 622	628	-	207 411	10 528	-	147 405
1982	34 307 197	(D)	-	200 578	9 915	-	162 686
Irrigated farms, 1987	321	-	-	3	-	-	-
1982	278	-	-	10	-	-	1
acres, 1987	24 078	-	-	(D)	-	-	-
1982	24 942	-	-	518	-	-	(D)
1987 farms by acres harvested:							
1 to 24 acres	3 797	4	-	35	5	-	31
25 to 99 acres	5 907	-	-	41	2	-	52
100 to 249 acres	2 220	-	-	13	2	-	11
250 acres or more	810	-	-	4	-	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) farms, 1987	25 983	171	52	793	332	118	173
1982	28 522	239	61	871	352	153	171
acres, 1987	1 436 630	11 086	5 390	39 554	18 720	9 803	10 804
1982	1 365 495	14 233	5 335	37 969	14 922	11 170	10 094
tons, dry, 1987	3 323 175	20 082	9 211	102 464	44 471	17 974	22 722
1982	3 476 731	31 129	8 376	106 491	32 073	21 393	28 987
Irrigated farms, 1987	246	3	-	4	1	2	1
1982	139	-	-	2	-	3	-
acres, 1987	11 710	(D)	-	93	(D)	(D)	(D)
1982	5 373	-	-	(D)	-	88	-
1987 farms by acres harvested:							
1 to 24 acres	12 059	53	8	387	109	33	76
25 to 99 acres	9 703	86	26	295	180	60	61
100 to 249 acres	3 358	26	12	94	35	19	31
250 acres or more	863	6	6	17	8	6	5
Vegetables harvested for sale (see text) farms, 1987	3 267	3	4	112	18	16	46
1982	3 634	3	3	108	14	11	29
acres, 1987	139 145	(D)	9	5 351	148	63	2 491
1982	126 248	(D)	(D)	7 091	190	47	1 693
Irrigated farms, 1987	908	-	3	61	3	3	8
1982	778	-	1	46	1	3	1
acres, 1987	53 780	-	(D)	3 096	9	19	182
1982	43 149	-	(D)	2 028	(D)	17	(D)
1987 farms by acres harvested:							
0.1 to 4.9 acres	1 067	2	3	30	10	12	9
5.0 to 24.9 acres	1 122	1	1	42	6	4	19
25.0 to 99.9 acres	747	-	-	26	2	-	15
100.0 acres or more	331	-	-	14	-	-	5
Land in orchards farms, 1987	3 791	10	3	130	17	66	8
1982	4 280	18	10	142	15	84	4
acres, 1987	161 567	30	(D)	4 628	50	4 752	75
1982	165 238	45	14	4 556	44	4 731	(D)
Irrigated farms, 1987	504	-	1	18	1	12	-
1982	445	-	1	6	-	14	-
acres, 1987	17 615	-	(D)	193	(D)	847	-
1982	14 316	-	(D)	174	-	596	-
1987 farms by bearing and nonbearing acres:							
0.1 to 4.9 acres	1 128	8	2	44	13	7	5
5.0 to 24.9 acres	1 261	2	1	41	4	18	1
25.0 to 99.9 acres	942	-	-	36	-	30	2
100.0 acres or more	460	-	-	9	-	11	-

Table 15. **Selected Crops: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Crop	Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
Harvested cropland .... farms, 1987..	56	797	883	129	1 381	937	1 057
1982..	73	955	1 020	172	1 682	1 090	1 175
acres, 1987..	4 360	83 610	136 207	7 778	114 106	127 157	132 224
1982..	4 807	110 001	151 933	8 290	130 186	167 060	177 204
Irrigated .... farms, 1987..	1	25	89	27	211	135	55
1982..	3	24	54	32	174	122	56
acres, 1987..	(D)	2 716	(D)	(D)	9 202	22 870	(D)
1982..	(D)	2 203	(D)	(D)	5 308	24 365	(D)
Corn for grain or seed .... farms, 1987..	4	469	477	26	500	810	755
1982..	2	663	595	22	725	954	899
acres, 1987..	53	31 050	35 358	705	38 166	68 339	64 654
1982..	(D)	45 900	45 976	590	48 867	93 624	90 882
bushels, 1987..	(D)	2 802 637	3 624 188	42 465	3 895 815	7 211 967	5 436 815
1982..	(D)	4 432 252	4 879 169	46 748	4 763 340	9 151 376	6 944 647
Irrigated .... farms, 1987..	-	14	17	-	12	115	40
1982..	-	12	9	-	14	107	42
acres, 1987..	-	1 705	1 110	-	2 580	15 138	5 948
1982..	-	1 489	764	-	1 151	16 125	6 966
1987 farms by acres harvested:							
1 to 24 acres	4	207	191	16	224	310	277
25 to 99 acres	-	166	178	8	172	297	293
100 to 249 acres	-	75	80	2	71	137	128
250 acres or more	-	21	28	-	33	66	57
Wheat for grain .... farms, 1987..	-	237	199	3	162	273	414
1982..	1	340	305	3	288	387	510
acres, 1987..	-	7 953	4 179	25	5 524	7 210	13 774
1982..	(D)	12 290	6 757	72	8 800	11 823	20 795
bushels, 1987..	-	311 952	201 252	650	264 439	312 779	563 849
1982..	(D)	446 655	329 048	(D)	278 969	446 913	813 723
Irrigated .... farms, 1987..	-	1	1	-	1	2	-
1982..	-	3	1	-	-	-	-
acres, 1987..	-	(D)	(D)	-	(D)	(D)	-
1982..	-	23	(D)	-	-	-	-
1987 farms by acres harvested:							
1 to 24 acres	-	132	145	3	115	177	215
25 to 99 acres	-	93	52	-	56	88	174
100 to 249 acres	-	10	2	-	10	8	25
250 acres or more	-	2	-	-	1	-	-
Soybeans for beans .... farms, 1987..	-	129	378	-	384	553	360
1982..	-	148	361	1	523	597	386
acres, 1987..	-	9 086	20 318	-	26 110	33 447	20 783
1982..	-	8 508	18 879	(D)	26 775	40 292	24 691
bushels, 1987..	-	334 342	830 937	-	987 745	1 093 657	691 837
1982..	-	248 496	558 461	(D)	807 431	1 208 962	716 126
Irrigated .... farms, 1987..	-	1	3	-	5	60	19
1982..	-	5	4	-	9	57	12
acres, 1987..	-	(D)	152	-	484	4 017	1 603
1982..	-	210	210	-	340	6 248	1 407
1987 farms by acres harvested:							
1 to 24 acres	-	47	108	-	134	186	132
25 to 99 acres	-	51	227	-	173	273	170
100 to 249 acres	-	24	36	-	59	78	46
250 acres or more	-	7	7	-	18	16	12
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) .... farms, 1987..	50	600	156	56	332	375	599
1982..	63	671	139	62	347	447	639
acres, 1987..	3 938	29 299	5 220	1 974	8 306	11 353	23 846
1982..	3 945	27 729	3 776	1 689	7 257	12 127	23 798
tons, dry, 1987..	6 337	73 176	14 784	3 593	24 792	33 405	56 217
1982..	6 400	66 782	11 310	3 344	19 049	35 144	66 217
Irrigated .... farms, 1987..	-	5	1	-	1	15	6
1982..	-	3	-	-	-	12	1
acres, 1987..	-	843	(D)	-	(D)	554	153
1982..	-	233	-	-	-	419	(D)
1987 farms by acres harvested:							
1 to 24 acres	17	302	99	29	229	255	323
25 to 99 acres	23	224	46	24	92	101	224
100 to 249 acres	4	55	8	3	9	17	42
250 acres or more	6	19	3	-	2	2	10
Vegetables harvested for sale (see text) .... farms, 1987..	2	33	126	13	298	17	21
1982..	6	48	125	12	362	20	28
acres, 1987..	(D)	830	4 337	220	7 680	477	812
1982..	15	1 534	3 478	147	8 322	309	2 223
Irrigated .... farms, 1987..	-	5	31	3	119	8	4
1982..	1	7	10	2	90	9	3
acres, 1987..	-	28	962	(D)	3 718	427	(D)
1982..	(D)	(D)	285	(D)	2 547	244	(D)
1987 farms by acres harvested:							
0.1 to 4.9 acres	1	14	24	6	117	6	11
5.0 to 24.9 acres	1	5	52	4	112	7	7
25.0 to 99.9 acres	-	12	40	-	52	4	2
100.0 acres or more	-	2	10	1	17	1	1
Land in orchards .... farms, 1987..	4	22	26	71	687	16	19
1982..	4	25	17	109	869	10	11
acres, 1987..	19	92	81	4 219	24 197	286	382
1982..	15	163	71	4 661	25 464	327	310
Irrigated .... farms, 1987..	-	2	1	22	50	-	-
1982..	-	2	1	26	24	-	-
acres, 1987..	-	(D)	(D)	566	1 414	-	-
1982..	-	(D)	(D)	605	274	-	-
1987 farms by bearing and nonbearing acres:							
0.1 to 4.9 acres	3	17	19	13	153	7	9
5.0 to 24.9 acres	1	5	7	22	303	5	5
25.0 to 99.9 acres	-	-	-	18	163	2	4
100.0 acres or more	-	-	-	18	68	1	1

Table 15. **Selected Crops: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Crop	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
Harvested cropland farms, 1987	732	196	150	311	260	1 246	16
1982	913	228	176	352	275	1 425	16
acres, 1987	106 530	15 537	15 973	41 351	28 462	175 630	(D)
1982	129 918	19 171	16 208	45 462	33 519	200 167	(D)
Irrigated farms, 1987	80	12	10	5	4	34	2
1982	72	13	11	4	5	34	2
acres, 1987	(D)	(D)	31	(D)	(D)	3 612	(D)
1982	(D)	119	(D)	58	330	2 591	(D)
Corn for grain or seed farms, 1987	552	57	36	5	85	812	1
1982	672	80	42	8	121	908	-
acres, 1987	58 818	2 563	724	161	3 639	50 452	(D)
1982	73 798	2 941	1 077	446	6 826	61 313	-
bushels, 1987	5 890 101	226 197	59 725	8 420	227 055	4 770 290	(D)
1982	7 541 180	207 708	75 940	65 228	474 763	6 894 091	-
Irrigated farms, 1987	54	-	-	-	1	8	-
1982	44	2	1	-	2	8	-
acres, 1987	8 143	-	-	-	(D)	619	-
1982	7 502	(D)	(D)	-	(D)	(D)	-
1987 farms by acres harvested:							
1 to 24 acres	195	31	28	2	50	347	1
25 to 99 acres	203	17	7	3	26	335	-
100 to 249 acres	89	8	1	-	6	98	-
250 acres or more	65	1	-	-	3	32	-
Wheat for grain farms, 1987	156	6	11	9	33	494	-
1982	235	23	41	50	79	689	-
acres, 1987	5 783	67	236	176	845	15 533	-
1982	8 040	300	927	618	2 266	21 997	-
bushels, 1987	268 196	1 930	13 305	5 810	28 327	687 557	-
1982	255 249	10 594	34 785	18 173	106 903	815 130	-
Irrigated farms, 1987	2	-	-	-	-	2	-
1982	2	-	1	-	-	1	-
acres, 1987	(D)	-	-	-	-	(D)	-
1982	(D)	-	(D)	-	-	(D)	-
1987 farms by acres harvested:							
1 to 24 acres	81	6	8	6	18	315	-
25 to 99 acres	64	-	3	3	14	154	-
100 to 249 acres	13	-	-	-	1	22	-
250 acres or more	-	-	-	-	-	3	-
Soybeans for beans farms, 1987	287	-	-	-	6	757	-
1982	378	-	-	2	14	882	-
acres, 1987	20 888	-	-	-	81	51 849	-
1982	25 908	-	-	(D)	356	54 946	-
bushels, 1987	794 189	-	-	-	1 631	1 891 908	-
1982	799 088	-	-	(D)	7 055	1 782 827	-
Irrigated farms, 1987	14	-	-	-	-	6	-
1982	17	-	-	-	-	2	-
acres, 1987	1 355	-	-	-	-	317	-
1982	2 378	-	-	-	-	(D)	-
1987 farms by acres harvested:							
1 to 24 acres	98	-	-	-	5	227	-
25 to 99 acres	120	-	-	-	1	385	-
100 to 249 acres	54	-	-	-	-	115	-
250 acres or more	16	-	-	-	-	30	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) farms, 1987	383	164	127	288	239	666	13
1982	431	192	154	318	246	706	10
acres, 1987	14 151	9 958	12 356	32 250	19 817	34 150	(D)
1982	13 914	11 273	11 086	35 768	15 995	29 509	278
tons, dry, 1987	37 313	19 977	23 090	50 378	26 598	93 650	(D)
1982	38 972	19 959	17 351	50 330	36 016	92 605	(D)
Irrigated farms, 1987	6	1	-	1	1	3	-
1982	5	1	1	-	1	4	-
acres, 1987	180	(D)	-	(D)	(D)	(D)	-
1982	(D)	(D)	(D)	-	(D)	184	-
1987 farms by acres harvested:							
1 to 24 acres	207	67	28	40	68	368	5
25 to 99 acres	146	78	58	139	119	192	8
100 to 249 acres	27	10	27	74	37	88	-
250 acres or more	5	11	14	35	15	18	-
Vegetables harvested for sale (see text) farms, 1987	54	15	9	4	3	22	-
1982	59	16	14	4	5	33	4
acres, 1987	3 143	554	88	4	19	428	-
1982	2 592	590	34	31	43	381	16
Irrigated farms, 1987	22	4	2	-	-	8	-
1982	24	4	1	2	-	6	1
acres, 1987	2 023	5	(D)	-	-	(D)	-
1982	1 188	4	(D)	(D)	-	(D)	(D)
1987 farms by acres harvested:							
0.1 to 4.9 acres	13	10	5	4	1	13	-
5.0 to 24.9 acres	12	3	3	-	2	3	-
25.0 to 99.9 acres	21	-	1	-	-	5	-
100.0 acres or more	8	2	-	-	-	1	-
Land in orchards farms, 1987	52	24	10	4	8	40	2
1982	61	23	8	5	2	37	-
acres, 1987	3 117	793	38	7	20	412	(D)
1982	2 138	762	21	19	(D)	481	-
Irrigated farms, 1987	7	2	1	-	-	4	-
1982	3	3	1	-	-	9	-
acres, 1987	62	(D)	(D)	-	-	(D)	-
1982	77	5	(D)	-	-	136	-
1987 farms by bearing and nonbearing acres:							
0.1 to 4.9 acres	15	12	6	4	7	29	2
5.0 to 24.9 acres	14	7	4	-	1	5	-
25.0 to 99.9 acres	16	4	-	-	-	6	-
100.0 acres or more	7	1	-	-	-	-	-

Table 15. **Selected Crops: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Crop	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
Harvested cropland .... farms, 1987	242	94	1 117	189	744	386	52
1982	280	114	1 245	222	916	390	71
acres, 1987	25 500	10 132	139 369	16 124	96 319	30 587	2 233
1982	26 949	12 180	166 593	16 173	117 923	38 787	(D)
Irrigated .... farms, 1987	20	12	39	14	40	3	3
1982	16	11	30	16	28	-	2
acres, 1987	335	542	(D)	(D)	(D)	(D)	3
1982	405	816	(D)	309	1 228	-	(D)
Corn for grain or seed .... farms, 1987	33	9	744	53	370	166	-
1982	40	12	871	51	458	226	1
acres, 1987	1 159	443	50 111	2 186	36 725	6 303	-
1982	1 422	553	65 751	1 860	45 652	10 461	(D)
bushels, 1987	109 784	37 270	4 831 215	209 678	3 198 056	442 749	-
1982	114 033	42 450	6 930 120	136 335	4 320 291	717 505	(D)
Irrigated .... farms, 1987	-	-	11	-	2	-	-
1982	-	-	8	-	3	-	-
acres, 1987	-	-	454	-	(D)	-	-
1982	-	-	693	-	(D)	-	-
1987 farms by acres harvested:							
1 to 24 acres	19	4	304	31	162	111	-
25 to 99 acres	11	3	298	17	130	38	-
100 to 249 acres	2	2	104	4	38	13	-
250 acres or more	1	-	38	1	40	4	-
Wheat for grain .... farms, 1987	-	-	444	10	142	67	-
1982	10	-	625	12	153	122	2
acres, 1987	-	-	19 606	129	5 450	1 519	-
1982	283	-	25 246	75	4 648	3 419	(D)
bushels, 1987	-	-	673 556	5 060	230 926	61 695	-
1982	11 355	-	1 106 947	1 965	163 841	145 105	(D)
Irrigated .... farms, 1987	-	-	1	-	-	-	-
1982	-	-	-	-	-	-	-
acres, 1987	-	-	(D)	-	-	-	-
1982	-	-	-	-	-	-	-
1987 farms by acres harvested:							
1 to 24 acres	-	-	220	8	76	48	-
25 to 99 acres	-	-	178	2	54	18	-
100 to 249 acres	-	-	38	-	9	1	-
250 acres or more	-	-	8	-	3	-	-
Soybeans for beans .... farms, 1987	2	-	396	-	312	33	-
1982	2	-	432	-	388	41	-
acres, 1987	(D)	-	26 357	-	26 676	1 433	-
1982	(D)	-	25 208	-	31 532	1 650	-
bushels, 1987	(D)	-	989 900	-	797 836	47 346	-
1982	(D)	-	819 951	-	921 140	39 427	-
Irrigated .... farms, 1987	-	-	6	-	-	-	-
1982	-	-	1	-	-	-	-
acres, 1987	-	-	146	-	-	-	-
1982	-	-	(D)	-	-	-	-
1987 farms by acres harvested:							
1 to 24 acres	1	-	127	-	105	16	-
25 to 99 acres	-	-	185	-	131	12	-
100 to 249 acres	1	-	67	-	53	5	-
250 acres or more	-	-	17	-	23	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) .... farms, 1987	207	80	623	167	346	309	46
1982	239	96	644	198	435	300	68
acres, 1987	16 346	7 306	22 030	10 732	13 305	15 098	2 185
1982	16 417	7 718	21 222	10 180	15 918	13 876	3 254
tons, dry, 1987	32 315	12 503	54 294	23 326	27 279	23 384	2 491
1982	29 359	12 661	63 266	17 395	39 433	31 612	4 768
Irrigated .... farms, 1987	2	-	4	-	-	-	-
1982	-	-	-	-	1	-	-
acres, 1987	(D)	-	202	-	-	-	-
1982	-	-	-	-	(D)	-	-
1987 farms by acres harvested:							
1 to 24 acres	49	17	356	53	209	121	17
25 to 99 acres	102	36	211	78	105	151	23
100 to 249 acres	46	20	47	30	27	33	6
250 acres or more	10	7	7	6	5	4	-
Vegetables harvested for sale (see text) .... farms, 1987	16	4	39	9	46	3	3
1982	15	2	29	12	59	9	2
acres, 1987	92	39	2 054	122	649	(D)	4
1982	57	(D)	2 180	150	618	143	(D)
Irrigated .... farms, 1987	4	1	11	4	10	1	2
1982	4	1	9	4	5	-	1
acres, 1987	11	(D)	70	57	61	(D)	(D)
1982	12	(D)	(D)	(D)	16	-	(D)
1987 farms by acres harvested:							
0.1 to 4.9 acres	12	2	14	5	20	1	3
5.0 to 24.9 acres	2	1	15	3	20	1	-
25.0 to 99.9 acres	2	1	4	1	5	1	-
100.0 acres or more	-	-	6	-	1	-	-
Land in orchards .... farms, 1987	18	3	27	9	39	4	3
1982	17	4	27	8	58	6	2
acres, 1987	96	4	171	46	627	(D)	(D)
1982	33	(D)	165	16	665	28	(D)
Irrigated .... farms, 1987	4	-	1	2	3	2	-
1982	3	-	2	1	2	-	1
acres, 1987	25	-	(D)	(D)	(D)	(D)	-
1982	7	-	(D)	(D)	(D)	-	(D)
1987 farms by bearing and nonbearing acres:							
0.1 to 4.9 acres	10	3	17	5	12	2	3
5.0 to 24.9 acres	7	-	10	4	17	-	-
25.0 to 99.9 acres	1	-	-	-	10	2	-
100.0 acres or more	-	-	-	-	-	-	-

Table 15. **Selected Crops: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Crop	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
Harvested cropland .... farms, 1987	400	945	1 051	135	1 287	859	1 012	194
1982	425	1 142	1 246	182	1 556	976	1 098	228
acres, 1987	36 179	205 688	143 798	10 017	322 799	130 575	156 360	17 051
1982	39 072	236 505	186 636	10 021	358 724	160 037	173 200	25 756
Irrigated .... farms, 1987	88	29	37	11	25	26	45	4
1982	80	31	37	14	17	37	31	8
acres, 1987	(D)	1 648	(D)	37	(D)	1 844	3 702	(D)
1982	2 534	2 847	(D)	44	(D)	(D)	(D)	103
Corn for grain or seed .... farms, 1987	97	664	804	7	1 022	528	747	74
1982	111	797	987	6	1 199	652	821	91
acres, 1987	6 404	61 687	69 648	309	95 978	55 236	54 841	2 641
1982	7 387	70 343	96 872	112	111 847	75 794	67 483	6 971
bushels, 1987	352 151	6 080 073	6 422 151	38 960	9 516 420	4 564 646	5 487 336	223 230
1982	466 201	8 195 077	9 370 851	10 440	11 730 549	7 919 562	7 654 149	469 241
Irrigated .... farms, 1987	2	9	23	-	15	2	12	-
1982	-	11	20	-	6	6	12	1
acres, 1987	(D)	473	2 842	-	854	(D)	1 222	-
1982	-	1 174	2 958	-	(D)	714	1 158	(D)
1987 farms by acres harvested:								
1 to 24 acres	39	229	334	3	308	184	285	47
25 to 99 acres	43	261	283	4	438	209	314	20
100 to 249 acres	11	106	117	-	186	81	108	6
250 acres or more	4	68	70	-	90	54	40	1
Wheat for grain .... farms, 1987	47	260	324	-	593	283	418	14
1982	50	441	496	-	708	318	534	43
acres, 1987	1 446	9 273	8 098	-	23 356	13 538	16 262	385
1982	1 636	14 972	14 680	-	23 145	16 316	22 112	1 244
bushels, 1987	49 708	439 413	375 760	-	1 371 331	655 440	712 061	12 942
1982	50 551	697 206	527 811	-	1 132 560	690 118	848 321	50 910
Irrigated .... farms, 1987	-	2	-	-	1	-	2	-
1982	-	2	1	-	1	-	1	-
acres, 1987	-	(D)	-	-	(D)	-	(D)	-
1982	-	(D)	(D)	-	(D)	-	(D)	-
1987 farms by acres harvested:								
1 to 24 acres	28	132	216	-	280	151	215	8
25 to 99 acres	16	111	100	-	268	103	174	6
100 to 249 acres	3	17	7	-	44	20	22	-
250 acres or more	-	-	1	-	1	9	7	-
Soybeans for beans .... farms, 1987	-	577	578	-	121	263	338	3
1982	1	751	591	-	93	306	343	7
acres, 1987	-	54 987	34 700	-	5 097	21 620	22 178	135
1982	(D)	65 918	36 893	-	4 901	26 108	20 890	434
bushels, 1987	-	2 015 476	1 071 932	-	156 635	659 415	841 924	3 870
1982	(D)	2 181 110	1 083 516	-	132 881	855 761	716 132	10 766
Irrigated .... farms, 1987	-	1	4	-	-	-	4	-
1982	-	3	-	-	1	-	3	-
acres, 1987	-	(D)	350	-	-	-	215	-
1982	-	230	-	-	(D)	-	140	-
1987 farms by acres harvested:								
1 to 24 acres	-	107	227	-	58	84	115	-
25 to 99 acres	-	307	247	-	52	125	167	3
100 to 249 acres	-	114	84	-	11	38	42	-
250 acres or more	-	49	20	-	-	16	14	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) .... farms, 1987	175	377	577	107	682	550	669	172
1982	207	376	632	142	760	561	688	187
acres, 1987	11 542	17 590	24 072	8 288	40 595	26 258	35 178	11 379
1982	10 944	14 036	23 535	7 969	38 144	24 577	30 347	10 990
tons, dry, 1987	21 879	43 279	71 140	11 910	123 728	71 724	103 968	21 390
1982	22 801	40 236	71 603	11 440	133 346	77 614	98 685	25 606
Irrigated .... farms, 1987	-	-	4	-	1	4	9	1
1982	-	-	6	-	3	2	1	3
acres, 1987	-	-	349	-	(D)	26	469	(D)
1982	-	-	113	-	122	(D)	(D)	20
1987 farms by acres harvested:								
1 to 24 acres	76	204	350	28	266	309	308	52
25 to 99 acres	66	124	166	56	292	156	251	81
100 to 249 acres	27	39	47	20	103	70	91	34
250 acres or more	6	10	14	3	21	15	19	5
Vegetables harvested for sale (see text) .... farms, 1987	41	61	21	9	11	36	49	5
1982	36	41	24	8	6	45	64	5
acres, 1987	2 877	4 241	348	49	55	2 438	1 843	31
1982	1 865	2 650	459	16	16	1 822	2 555	31
Irrigated .... farms, 1987	5	11	9	3	-	9	8	2
1982	5	11	6	1	2	12	5	1
acres, 1987	14	545	277	8	-	1 752	672	(D)
1982	(D)	186	381	(D)	(D)	960	(D)	(D)
1987 farms by acres harvested:								
0.1 to 4.9 acres	18	8	12	7	10	19	16	3
5.0 to 24.9 acres	7	19	4	1	-	9	12	2
25.0 to 99.9 acres	10	15	4	1	1	2	18	-
100.0 acres or more	6	19	1	-	-	6	3	-
Land in orchards .... farms, 1987	210	12	17	6	10	37	44	6
1982	211	10	19	7	12	42	44	4
acres, 1987	12 240	172	278	10	35	344	2 520	37
1982	13 684	150	536	16	22	411	2 311	36
Irrigated .... farms, 1987	75	2	2	-	1	4	12	-
1982	71	3	2	-	2	5	8	-
acres, 1987	2 454	(D)	(D)	-	(D)	11	482	-
1982	2 414	(D)	(D)	-	(D)	36	285	-
1987 farms by bearing and nonbearing acres:								
0.1 to 4.9 acres	28	9	10	6	7	27	6	3
5.0 to 24.9 acres	58	2	4	-	3	8	14	3
25.0 to 99.9 acres	89	-	3	-	-	1	13	-
100.0 acres or more	37	1	-	-	-	1	11	-

Table 15. **Selected Crops: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Crop	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
Harvested cropland ....farms, 1987	86	831	959	730	81	1 175	2	98
1982	89	947	1 145	867	75	1 360	1	105
acres, 1987	7 251	122 657	112 986	94 047	5 801	121 233	(D)	6 030
1982	8 551	138 700	147 343	119 609	8 143	146 441	(D)	7 529
Irrigated ....farms, 1987	4	22	50	146	10	140	-	-
1982	5	11	34	122	12	128	-	1
acres, 1987	340	(D)	(D)	(D)	(D)	(D)	-	-
1982	541	(D)	5 600	13 196	2 231	4 705	-	(D)
Corn for grain or seed ....farms, 1987	-	490	656	403	41	596	-	20
1982	-	581	854	516	37	807	-	43
acres, 1987	-	33 545	55 799	43 636	1 343	39 847	-	256
1982	-	41 941	81 939	54 769	1 898	58 586	-	1 145
bushels, 1987	-	2 581 707	3 886 457	4 391 393	114 951	3 684 369	-	15 860
1982	-	3 381 402	7 611 505	5 480 156	79 115	5 689 725	-	90 702
Irrigated ....farms, 1987	-	8	18	54	5	15	-	-
1982	-	2	15	38	7	12	-	1
acres, 1987	-	434	3 716	9 810	479	2 016	-	-
1982	-	(D)	4 436	9 667	730	1 308	-	(D)
1987 farms by acres harvested:								
1 to 24 acres	-	185	254	146	25	290	-	19
25 to 99 acres	-	205	268	136	13	201	-	1
100 to 249 acres	-	76	87	64	3	65	-	-
250 acres or more	-	24	47	55	-	40	-	-
Wheat for grain ....farms, 1987	1	257	290	200	14	205	-	3
1982	1	375	380	282	23	328	-	24
acres, 1987	(D)	8 261	9 052	10 528	511	5 565	-	(D)
1982	(D)	10 566	11 920	15 808	968	9 098	-	401
bushels, 1987	(D)	349 521	359 503	436 500	23 152	243 064	-	2 550
1982	(D)	450 299	465 049	628 890	35 042	366 212	-	12 999
Irrigated ....farms, 1987	-	1	1	6	2	1	-	-
1982	-	2	-	1	8	2	-	-
acres, 1987	-	(D)	(D)	338	(D)	(D)	-	-
1982	-	(D)	-	(D)	484	(D)	-	-
1987 farms by acres harvested:								
1 to 24 acres	-	140	162	88	11	129	-	2
25 to 99 acres	1	106	116	77	1	70	-	1
100 to 249 acres	-	11	10	30	2	6	-	-
250 acres or more	-	-	2	5	-	-	-	-
Soybeans for beans ....farms, 1987	-	186	110	256	1	38	-	-
1982	-	242	137	262	1	47	-	1
acres, 1987	-	11 526	5 209	20 673	(D)	2 520	-	-
1982	-	13 255	6 374	24 982	(D)	2 673	-	(D)
bushels, 1987	-	381 836	142 454	802 118	(D)	91 803	-	-
1982	-	320 092	178 684	763 118	(D)	85 445	-	(D)
Irrigated ....farms, 1987	-	-	2	26	-	2	-	-
1982	-	3	1	16	-	1	-	-
acres, 1987	-	-	(D)	2 271	-	(D)	-	-
1982	-	62	(D)	2 203	-	(D)	-	-
1987 farms by acres harvested:								
1 to 24 acres	-	62	50	85	-	13	-	-
25 to 99 acres	-	92	48	93	-	19	-	-
100 to 249 acres	-	27	9	61	1	4	-	-
250 acres or more	-	5	3	17	-	2	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ....farms, 1987	80	570	634	318	59	757	2	92
1982	79	603	687	380	54	839	1	93
acres, 1987	5 925	40 998	32 310	11 642	3 041	39 950	(D)	5 148
1982	6 893	32 720	30 575	13 747	3 206	38 757	(D)	4 653
tons, dry, 1987	8 545	95 652	82 066	33 479	4 198	109 579	(D)	7 218
1982	12 021	87 894	84 590	35 279	5 849	110 809	(D)	8 069
Irrigated ....farms, 1987	-	1	3	9	-	3	-	-
1982	-	1	3	5	2	5	-	-
acres, 1987	-	(D)	(D)	408	-	(D)	-	-
1982	-	(D)	168	253	(D)	382	-	-
1987 farms by acres harvested:								
1 to 24 acres	19	209	355	208	26	381	2	36
25 to 99 acres	43	230	198	75	24	259	-	41
100 to 249 acres	15	97	57	31	9	85	-	11
250 acres or more	3	34	24	4	-	32	-	4
Vegetables harvested for sale (see text) ....farms, 1987	-	12	48	45	4	118	-	1
1982	2	14	51	53	1	136	-	5
acres, 1987	-	325	1 903	2 129	(D)	4 311	-	(D)
1982	(D)	352	1 344	654	(D)	3 531	-	16
Irrigated ....farms, 1987	-	3	17	16	2	52	-	-
1982	-	4	10	8	-	52	-	-
acres, 1987	-	(D)	808	1 738	(D)	2 792	-	-
1982	-	(D)	446	139	-	1 426	-	-
1987 farms by acres harvested:								
0.1 to 4.9 acres	-	5	22	20	3	30	-	-
5.0 to 24.9 acres	-	3	11	16	1	50	-	-
25.0 to 99.9 acres	-	3	10	6	-	29	-	-
100.0 acres or more	-	1	5	3	-	9	-	-
Land in orchards ....farms, 1987	-	8	37	62	2	257	-	7
1982	3	14	33	73	2	266	-	2
acres, 1987	-	96	593	1 622	(D)	16 332	-	14
1982	6	126	365	1 752	(D)	15 646	-	(D)
Irrigated ....farms, 1987	-	-	2	5	-	21	-	-
1982	-	-	1	3	2	15	-	-
acres, 1987	-	-	(D)	9	-	953	-	-
1982	-	-	(D)	(D)	(D)	503	-	-
1987 farms by bearing and nonbearing acres:								
0.1 to 4.9 acres	-	3	17	15	2	48	-	6
5.0 to 24.9 acres	-	4	16	34	-	76	-	1
25.0 to 99.9 acres	-	1	1	10	-	78	-	-
100.0 acres or more	-	-	3	3	-	57	-	-

Table 15. **Selected Crops: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Crop	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
Harvested cropland .... farms, 1987	1 067	368	1 265	563	31	75	600	258
1982	1 219	408	1 490	753	29	91	751	279
acres, 1987	126 110	27 130	254 547	71 499	3 115	9 248	54 241	18 203
1982	147 303	31 464	310 907	85 977	3 543	12 216	68 048	18 837
Irrigated .... farms, 1987	61	66	43	49	1	2	91	51
1982	43	91	31	37	2	1	77	57
acres, 1987	3 727	2 247	(D)	1 584	(D)	(D)	(D)	(D)
1982	(D)	3 132	2 400	(D)	(D)	(D)	(D)	(D)
Corn for grain or seed .... farms, 1987	562	69	941	352	1	2	240	62
1982	757	82	1 128	446	1	2	318	74
acres, 1987	46 631	3 121	92 890	28 864	(D)	(D)	15 496	1 496
1982	58 614	3 938	136 569	38 519	(D)	(D)	17 406	2 214
bushels, 1987	4 922 521	241 705	9 007 354	2 999 166	(D)	(D)	1 710 229	74 909
1982	5 490 422	299 108	14 615 208	3 704 573	(D)	(D)	1 505 260	130 780
Irrigated .... farms, 1987	3	1	9	2	-	-	1	1
1982	1	-	8	3	-	-	1	1
acres, 1987	124	(D)	1 435	(D)	-	-	(D)	(D)
1982	(D)	-	1 529	(D)	-	-	(D)	(D)
1987 farms by acres harvested:								
1 to 24 acres	257	42	276	145	1	1	105	48
25 to 99 acres	193	21	367	126	-	1	90	12
100 to 249 acres	67	3	197	48	-	-	31	1
250 acres or more	45	3	101	33	-	-	14	1
Wheat for grain .... farms, 1987	160	13	493	155	1	6	68	17
1982	261	23	710	217	-	7	133	32
acres, 1987	4 966	207	19 552	5 449	(D)	154	1 926	460
1982	7 065	380	28 944	6 784	-	122	2 784	614
bushels, 1987	214 661	7 184	972 266	229 638	(D)	6 005	90 293	10 303
1982	259 267	11 113	1 139 134	261 677	-	4 400	94 755	20 091
Irrigated .... farms, 1987	1	-	1	-	-	-	-	-
1982	1	-	-	-	-	-	-	-
acres, 1987	(D)	-	(D)	-	-	-	-	-
1982	(D)	-	-	-	-	-	-	-
1987 farms by acres harvested:								
1 to 24 acres	98	10	253	92	-	4	42	13
25 to 99 acres	51	3	200	54	1	2	22	3
100 to 249 acres	11	-	36	7	-	-	4	1
250 acres or more	-	-	4	2	-	-	-	-
Soybeans for beans .... farms, 1987	141	2	948	78	-	-	200	-
1982	182	2	1 073	73	-	-	301	-
acres, 1987	7 665	(D)	106 999	4 428	-	-	17 103	-
1982	9 168	(D)	108 653	4 351	-	-	23 128	-
bushels, 1987	284 976	(D)	3 779 702	147 947	-	-	672 270	-
1982	222 689	(D)	3 786 656	110 054	-	-	657 351	-
Irrigated .... farms, 1987	1	1	3	-	-	-	-	-
1982	-	-	-	-	-	-	1	-
acres, 1987	(D)	(D)	(D)	-	-	-	-	-
1982	-	-	-	-	-	-	(D)	-
1987 farms by acres harvested:								
1 to 24 acres	59	1	194	29	-	-	55	-
25 to 99 acres	60	1	434	35	-	-	94	-
100 to 249 acres	17	-	193	12	-	-	31	-
250 acres or more	5	-	127	2	-	-	20	-
Hay – alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) .... farms, 1987	805	124	434	477	22	68	223	148
1982	871	160	423	525	26	84	278	170
acres, 1987	41 934	6 349	20 294	24 075	2 305	7 931	7 669	6 117
1982	38 264	7 000	18 937	24 601	2 401	9 658	8 752	5 157
tons, dry, 1987	104 175	11 502	61 693	70 118	4 356	16 320	19 268	9 408
1982	105 033	12 495	56 421	66 920	2 996	14 047	20 879	10 767
Irrigated .... farms, 1987	6	1	4	2	-	-	-	2
1982	1	-	3	3	-	-	1	-
acres, 1987	239	(D)	(D)	(D)	-	-	-	(D)
1982	(D)	-	292	8	-	-	(D)	-
1987 farms by acres harvested:								
1 to 24 acres	374	57	258	222	5	11	133	77
25 to 99 acres	313	47	113	184	7	30	69	57
100 to 249 acres	98	16	51	58	8	19	20	12
250 acres or more	20	4	12	13	2	8	1	2
Vegetables harvested for sale (see text) .... farms, 1987	60	16	78	30	4	3	139	46
1982	63	20	71	43	3	3	172	39
acres, 1987	4 414	183	3 421	2 170	21	(D)	4 680	1 963
1982	3 427	241	2 673	(D)	(D)	14	4 804	1 117
Irrigated .... farms, 1987	25	4	11	14	1	-	24	27
1982	21	4	5	16	2	1	30	21
acres, 1987	2 499	30	365	(D)	(D)	-	727	938
1982	1 584	(D)	87	(D)	(D)	(D)	973	478
1987 farms by acres harvested:								
0.1 to 4.9 acres	23	8	24	15	2	1	27	6
5.0 to 24.9 acres	15	5	20	12	2	2	55	19
25.0 to 99.9 acres	11	3	22	2	-	-	46	16
100.0 acres or more	11	-	12	1	-	-	11	5
Land in orchards .... farms, 1987	47	258	43	31	3	-	48	65
1982	42	286	42	39	-	1	49	106
acres, 1987	757	15 888	696	553	7	-	1 548	5 161
1982	734	16 780	522	597	-	(D)	1 375	6 217
Irrigated .... farms, 1987	4	47	6	5	-	-	6	17
1982	2	68	8	5	-	-	3	24
acres, 1987	27	1 957	228	(D)	-	-	263	1 418
1982	(D)	2 851	39	(D)	-	-	(D)	1 763
1987 farms by bearing and nonbearing acres:								
0.1 to 4.9 acres	25	24	18	14	3	-	16	21
5.0 to 24.9 acres	18	77	18	14	-	-	14	27
25.0 to 99.9 acres	3	113	5	1	-	-	15	27
100.0 acres or more	1	44	2	2	-	-	3	10

Table 15. **Selected Crops: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Crop	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
Harvested cropland .... farms, 1987	76	391	589	348	399	276	1 148	884
1982	99	448	631	421	434	322	1 354	1 047
acres, 1987	6 026	38 958	59 270	50 188	59 020	49 400	177 632	133 416
1982	6 022	49 740	68 214	54 544	67 264	53 047	208 633	160 632
Irrigated .... farms, 1987	3	48	23	2	10	23	54	142
1982	3	46	15	8	11	20	48	108
acres, 1987	5	(D)	4 046	(D)	(D)	(D)	(D)	(D)
1982	(D)	2 495	3 907	(D)	(D)	1 206	(D)	(D)
Corn for grain or seed .... farms, 1987	2	154	274	113	240	76	719	605
1982	2	202	354	121	260	131	879	710
acres, 1987	(D)	7 959	11 825	6 524	19 602	4 238	56 040	41 000
1982	(D)	12 649	17 943	7 215	22 886	7 312	75 234	55 428
bushels, 1987	(D)	636 048	842 597	566 436	1 913 103	296 833	5 895 726	3 629 977
1982	(D)	1 112 629	1 449 878	520 173	2 352 952	543 590	7 878 926	5 402 211
Irrigated .... farms, 1987	-	6	12	-	5	10	6	87
1982	-	3	9	-	6	10	5	58
acres, 1987	-	498	1 158	-	276	581	562	8 062
1982	-	(D)	1 322	-	479	514	422	7 499
1987 farms by acres harvested:								
1 to 24 acres	2	90	140	48	97	34	298	243
25 to 99 acres	-	41	104	47	88	26	263	233
100 to 249 acres	-	16	25	16	35	14	106	104
250 acres or more	-	7	5	2	19	2	52	25
Wheat for grain .... farms, 1987	-	49	85	2	68	20	249	281
1982	-	160	168	8	103	44	380	432
acres, 1987	-	1 550	1 667	(D)	2 168	361	8 510	12 634
1982	-	5 540	4 469	89	3 259	977	11 517	20 374
bushels, 1987	-	60 686	58 356	(D)	120 872	11 317	439 168	488 076
1982	-	211 566	160 287	2 870	169 049	42 979	386 068	790 607
Irrigated .... farms, 1987	-	-	-	-	-	1	1	16
1982	-	-	2	-	1	-	-	8
acres, 1987	-	-	-	-	-	(D)	(D)	1 160
1982	-	-	(D)	-	(D)	-	-	733
1987 farms by acres harvested:								
1 to 24 acres	-	30	62	2	36	17	150	145
25 to 99 acres	-	16	20	-	29	3	82	100
100 to 249 acres	-	3	3	-	3	-	16	32
250 acres or more	-	-	-	-	-	-	1	4
Soybeans for beans .... farms, 1987	-	6	6	1	185	-	894	106
1982	-	4	4	1	222	-	1 027	106
acres, 1987	-	206	125	(D)	15 769	-	95 473	6 639
1982	-	151	180	(D)	17 164	-	99 056	6 340
bushels, 1987	-	5 235	2 344	(D)	576 930	-	3 271 933	219 811
1982	-	3 565	(D)	(D)	493 177	-	2 968 551	194 604
Irrigated .... farms, 1987	-	-	-	-	1	-	4	2
1982	-	-	-	-	3	-	6	-
acres, 1987	-	-	-	-	(D)	-	72	(D)
1982	-	-	-	-	84	-	194	-
1987 farms by acres harvested:								
1 to 24 acres	-	2	4	-	52	-	209	30
25 to 99 acres	-	4	2	1	82	-	387	56
100 to 249 acres	-	-	-	-	40	-	209	18
250 acres or more	-	-	-	-	11	-	89	2
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) .... farms, 1987	62	222	509	329	174	253	252	557
1982	65	258	540	398	153	304	234	616
acres, 1987	4 679	14 814	35 219	35 316	5 041	36 102	4 727	30 551
1982	4 546	15 331	33 114	33 428	3 939	33 032	5 399	31 321
tons, dry, 1987	8 914	33 294	76 085	61 583	9 469	62 226	13 575	79 645
1982	7 575	42 181	81 330	69 899	10 674	76 096	13 303	92 749
Irrigated .... farms, 1987	-	2	9	1	2	15	-	17
1982	-	2	3	1	-	6	2	5
acres, 1987	-	(D)	595	(D)	(D)	742	-	1 084
1982	-	(D)	77	(D)	-	189	(D)	220
1987 farms by acres harvested:								
1 to 24 acres	17	88	158	65	106	37	201	258
25 to 99 acres	34	76	237	142	61	79	44	203
100 to 249 acres	6	52	93	87	6	95	7	81
250 acres or more	5	6	21	35	1	42	-	15
Vegetables harvested for sale (see text) .... farms, 1987	3	101	19	5	17	1	107	43
1982	10	93	32	3	16	3	124	33
acres, 1987	(D)	5 012	548	16	503	(D)	3 627	2 672
1982	23	3 833	724	6	375	16	3 893	1 142
Irrigated .... farms, 1987	-	10	3	-	1	-	15	30
1982	2	7	1	-	3	-	19	16
acres, 1987	-	807	(D)	-	(D)	-	674	2 273
1982	(D)	722	(D)	-	(D)	-	564	920
1987 farms by acres harvested:								
0.1 to 4.9 acres	3	15	7	3	8	1	29	16
5.0 to 24.9 acres	-	37	4	2	6	-	36	5
25.0 to 99.9 acres	-	30	7	-	1	-	32	13
100.0 acres or more	-	11	1	-	2	-	10	9
Land in orchards .... farms, 1987	9	65	15	12	9	3	57	23
1982	6	71	16	6	13	1	60	18
acres, 1987	66	5 732	356	50	28	2	293	1 119
1982	40	6 376	301	24	43	(D)	441	884
Irrigated .... farms, 1987	-	22	-	-	-	-	5	5
1982	-	21	-	2	-	-	3	3
acres, 1987	-	798	-	-	-	-	43	55
1982	-	912	-	(D)	-	-	(D)	(D)
1987 farms by bearing and nonbearing acres:								
0.1 to 4.9 acres	6	18	5	6	6	3	44	5
5.0 to 24.9 acres	2	8	6	6	3	-	11	5
25.0 to 99.9 acres	1	20	3	-	-	-	2	10
100.0 acres or more	-	19	1	-	-	-	-	3

Table 15. **Selected Crops: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Crop	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
Harvested cropland farms, 1987	103	391	626	408	637	264	111	441
1982	100	425	736	510	699	279	139	504
acres, 1987	9 482	44 267	60 726	32 533	61 720	39 659	11 950	51 682
1982	10 970	50 494	69 862	36 995	63 361	35 146	11 399	53 035
Irrigated farms, 1987	3	55	56	62	68	5	2	7
1982	2	40	45	65	64	5	1	9
acres, 1987	(D)	6 084	4 589	909	3 718	15	(D)	(D)
1982	(D)	(D)	4 850	(D)	2 813	22	(D)	(D)
Corn for grain or seed farms, 1987	24	175	334	105	203	103	2	98
1982	19	232	442	155	281	109	1	157
acres, 1987	1 561	15 968	17 133	14 268	8 599	6 848	(D)	4 509
1982	949	20 078	24 128	15 793	11 846	5 268	(D)	6 064
bushels, 1987	142 027	1 280 638	1 514 391	1 501 057	714 264	604 420	(D)	336 676
1982	55 778	1 613 459	2 150 403	1 408 222	1 028 116	351 185	(D)	473 771
Irrigated farms, 1987	-	4	9	1	6	1	-	3
1982	1	5	5	3	8	-	-	3
acres, 1987	-	(D)	1 031	(D)	353	(D)	-	260
1982	(D)	(D)	(D)	(D)	495	-	-	240
1987 farms by acres harvested:								
1 to 24 acres	9	75	171	52	117	48	2	54
25 to 99 acres	10	63	115	26	67	41	-	30
100 to 249 acres	5	23	37	12	13	11	-	10
250 acres or more	-	14	11	15	6	3	-	4
Wheat for grain farms, 1987	16	27	63	43	47	22	4	25
1982	30	85	133	67	105	65	5	77
acres, 1987	441	805	1 039	1 707	1 003	1 090	(D)	458
1982	854	2 206	2 031	2 762	2 216	1 360	42	1 508
bushels, 1987	12 998	33 128	41 947	71 908	39 188	39 684	1 742	16 141
1982	31 335	95 311	74 129	99 967	82 264	63 492	1 685	61 966
Irrigated farms, 1987	-	1	-	2	-	-	-	1
1982	-	-	-	3	-	-	-	-
acres, 1987	-	(D)	-	(D)	-	-	-	(D)
1982	-	-	-	14	-	-	-	-
1987 farms by acres harvested:								
1 to 24 acres	10	16	53	20	38	13	4	21
25 to 99 acres	5	10	9	20	8	8	-	4
100 to 249 acres	1	1	1	2	1	-	-	-
250 acres or more	-	-	-	1	-	1	-	-
Soybeans for beans farms, 1987	-	7	2	9	1	2	-	3
1982	-	9	7	14	3	4	-	3
acres, 1987	-	1 129	(D)	1 277	(D)	(D)	-	260
1982	-	593	177	987	83	(D)	-	(D)
bushels, 1987	-	(D)	(D)	43 402	(D)	(D)	-	10 400
1982	-	18 371	5 627	28 569	(D)	(D)	-	(D)
Irrigated farms, 1987	-	1	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
acres, 1987	-	(D)	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-
1987 farms by acres harvested:								
1 to 24 acres	-	1	-	4	-	-	-	-
25 to 99 acres	-	4	2	1	1	2	-	1
100 to 249 acres	-	-	-	1	-	-	-	2
250 acres or more	-	2	-	3	-	-	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) farms, 1987	93	243	485	263	322	244	99	416
1982	80	285	567	306	364	256	125	468
acres, 1987	5 313	14 400	29 716	11 915	15 118	24 921	9 534	40 655
1982	5 311	14 462	27 982	12 981	14 192	18 926	9 967	36 500
tons, dry, 1987	10 604	38 197	63 567	26 545	35 758	48 073	15 496	60 957
1982	10 632	40 156	73 481	30 342	33 756	44 224	14 672	74 393
Irrigated farms, 1987	1	2	3	3	5	-	-	3
1982	-	3	4	2	2	-	-	2
acres, 1987	(D)	(D)	146	43	61	-	-	408
1982	-	65	182	(D)	(D)	-	-	(D)
1987 farms by acres harvested:								
1 to 24 acres	31	107	210	161	166	62	19	96
25 to 99 acres	45	98	190	63	119	103	50	190
100 to 249 acres	13	29	64	33	31	52	22	95
250 acres or more	4	9	21	6	6	27	8	35
Vegetables harvested for sale (see text) farms, 1987	3	60	58	38	315	5	4	5
1982	-	52	62	56	332	6	4	2
acres, 1987	13	4 236	4 885	575	17 079	42	6	13
1982	-	3 658	5 357	657	12 639	11	10	(D)
Irrigated farms, 1987	-	14	26	10	29	1	2	-
1982	-	16	23	13	19	-	-	-
acres, 1987	-	1 665	2 936	164	1 983	(D)	(D)	-
1982	-	1 208	3 388	222	716	-	-	-
1987 farms by acres harvested:								
0.1 to 4.9 acres	2	16	11	16	32	3	4	5
5.0 to 24.9 acres	1	21	20	18	130	1	-	-
25.0 to 99.9 acres	-	13	15	3	104	1	-	-
100.0 acres or more	-	10	12	1	49	-	-	-
Land in orchards farms, 1987	4	33	38	33	214	6	10	3
1982	2	29	46	69	254	7	4	14
acres, 1987	7	3 928	2 413	523	15 683	31	31	10
1982	(D)	3 823	2 079	641	17 289	36	10	39
Irrigated farms, 1987	-	2	10	6	26	-	-	-
1982	-	2	7	9	32	-	-	-
acres, 1987	-	(D)	237	(D)	1 148	-	-	-
1982	-	(D)	125	(D)	1 237	-	-	-
1987 farms by bearing and nonbearing acres:								
0.1 to 4.9 acres	4	6	11	21	18	4	9	2
5.0 to 24.9 acres	-	10	9	8	66	2	1	1
25.0 to 99.9 acres	-	7	9	3	82	-	-	-
100.0 acres or more	-	10	9	1	48	-	-	-

Table 15. **Selected Crops: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Crop	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
Harvested cropland farms, 1987	71	121	1 305	269	22	1 332	984	805
1982	78	130	1 414	302	28	1 614	1 178	936
acres, 1987	6 250	12 121	112 721	37 031	1 396	246 217	107 002	136 100
1982	6 723	12 153	123 172	38 011	(D)	273 534	143 393	161 056
Irrigated farms, 1987	1	7	292	18	1	41	30	228
1982	1	5	228	16	3	47	21	206
acres, 1987	(D)	580	10 438	(D)	(D)	2 011	(D)	58 685
1982	(D)	194	8 780	1 155	(D)	1 160	(D)	56 816
Corn for grain or seed farms, 1987	14	35	683	68	1	830	444	653
1982	20	38	801	56	2	897	564	751
acres, 1987	290	814	42 328	2 839	(D)	61 461	29 812	79 798
1982	490	812	54 032	2 267	(D)	62 878	39 906	90 652
bushels, 1987	15 145	74 473	4 055 681	258 173	(D)	6 799 074	3 246 807	9 435 911
1982	35 330	49 160	5 746 298	153 870	(D)	7 216 128	3 587 665	9 960 957
Irrigated farms, 1987	-	-	38	1	-	8	1	209
1982	-	-	26	2	-	4	2	183
acres, 1987	-	-	1 997	(D)	-	587	(D)	44 080
1982	-	-	1 824	(D)	-	(D)	(D)	43 526
1987 farms by acres harvested:								
1 to 24 acres	6	27	315	35	1	358	203	183
25 to 99 acres	8	6	257	25	-	313	155	263
100 to 249 acres	-	2	85	7	-	110	66	119
250 acres or more	-	-	26	1	-	49	20	88
Wheat for grain farms, 1987	-	10	109	42	-	354	91	191
1982	3	23	299	93	3	546	171	325
acres, 1987	-	248	2 011	1 194	-	12 071	2 962	5 841
1982	11	605	6 199	2 131	(D)	17 716	3 951	11 181
bushels, 1987	-	7 974	82 869	46 618	-	700 737	113 300	242 451
1982	172	18 850	255 726	93 043	(D)	891 232	144 975	370 399
Irrigated farms, 1987	-	1	-	-	-	2	-	10
1982	-	-	-	1	-	-	-	6
acres, 1987	-	(D)	-	-	-	(D)	-	474
1982	-	-	-	(D)	-	-	-	475
1987 farms by acres harvested:								
1 to 24 acres	-	8	89	22	-	199	53	109
25 to 99 acres	-	1	17	18	-	131	32	72
100 to 249 acres	-	1	3	2	-	22	5	10
250 acres or more	-	-	-	-	-	2	1	-
Soybeans for beans farms, 1987	-	-	33	-	-	1 025	418	392
1982	-	-	35	1	1	1 198	577	494
acres, 1987	-	-	1 148	-	-	110 340	33 349	30 299
1982	-	-	1 218	(D)	(D)	117 778	48 909	36 642
bushels, 1987	-	-	38 364	-	-	4 132 161	1 234 413	1 166 632
1982	-	-	33 015	(D)	(D)	3 790 055	1 289 954	1 110 698
Irrigated farms, 1987	-	-	-	-	-	6	1	120
1982	-	-	3	-	-	5	2	98
acres, 1987	-	-	-	-	-	292	(D)	9 957
1982	-	-	105	-	-	193	(D)	9 355
1987 farms by acres harvested:								
1 to 24 acres	-	-	17	-	-	2[illegible]8	122	113
25 to 99 acres	-	-	14	-	-	4[illegible]2	188	175
100 to 249 acres	-	-	2	-	-	213	82	86
250 acres or more	-	-	-	-	-	97	26	18
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) farms, 1987	71	109	745	232	18	353	631	398
1982	71	113	797	248	21	3[illegible]6	675	436
acres, 1987	5 097	9 380	33 541	16 359	1 289	11 247	26 696	12 888
1982	4 598	6 993	28 720	15 220	1 043	10 [illegible]25	24 801	13 980
tons, dry, 1987	7 698	17 495	84 903	35 573	1 216	32 [illegible]19	48 832	39 219
1982	11 706	11 916	88 410	30 719	1 642	35 668	51 291	39 997
Irrigated farms, 1987	-	1	13	2	-	3	2	32
1982	-	-	4	1	1	3	3	11
acres, 1987	-	(D)	409	(D)	-	(D)	(D)	1 588
1982	-	-	15	(D)	(D)	154	47	602
1987 farms by acres harvested:								
1 to 24 acres	22	21	385	52	6	234	303	236
25 to 99 acres	29	58	263	135	9	94	267	138
100 to 249 acres	17	24	85	33	1	23	52	21
250 acres or more	3	6	12	12	2	2	9	3
Vegetables harvested for sale (see text) farms, 1987	3	4	152	8	-	59	45	29
1982	1	3	182	1	-	66	70	38
acres, 1987	(D)	5	4 475	21	-	3 016	1 060	2 669
1982	(D)	7	4 265	(D)	-	2 233	1 749	(D)
Irrigated farms, 1987	1	-	80	1	-	7	3	14
1982	-	-	88	-	-	11	4	9
acres, 1987	(D)	-	2 492	(D)	-	297	(D)	812
1982	-	-	2 210	-	-	202	(D)	(D)
1987 farms by acres harvested:								
0.1 to 4.9 acres	3	4	48	6	-	21	19	10
5.0 to 24.9 acres	-	-	55	2	-	15	15	13
25.0 to 99.9 acres	-	-	39	-	-	15	7	4
100.0 acres or more	-	-	10	-	-	8	4	2
Land in orchards farms, 1987	3	1	101	10	2	30	27	11
1982	6	3	79	5	4	36	28	12
acres, 1987	4	(D)	6 804	26	(D)	147	278	258
1982	11	(D)	5 538	16	(D)	188	390	177
Irrigated farms, 1987	-	-	16	-	1	4	2	2
1982	-	-	7	-	1	-	1	1
acres, 1987	-	-	247	-	(D)	(D)	(D)	(D)
1982	-	-	369	-	(D)	-	(D)	(D)
1987 farms by bearing and nonbearing acres:								
0.1 to 4.9 acres	3	1	19	9	-	22	16	7
5.0 to 24.9 acres	-	-	25	1	-	7	8	3
25.0 to 99.9 acres	-	-	33	-	2	1	2	-
100.0 acres or more	-	-	24	-	-	-	1	1

Table 15. **Selected Crops: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Crop	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
Harvested cropland farms, 1987	1 440	43	1 076	1 110	1 187	1 063	259	151
1982	1 751	53	1 316	1 394	1 376	1 201	375	201
acres, 1987	303 733	5 499	165 476	243 649	103 657	131 246	14 654	12 263
1982	345 800	5 213	182 595	281 916	120 184	161 359	27 085	17 301
Irrigated farms, 1987	39	2	25	36	167	72	72	8
1982	31	1	21	27	126	61	63	7
acres, 1987	(D)	(D)	1 241	(D)	23 553	4 062	(D)	106
1982	(D)	(D)	(D)	2 251	17 667	(D)	(D)	(D)
Corn for grain or seed farms, 1987	988	4	601	806	430	672	78	46
1982	1 093	5	722	1 027	593	827	107	59
acres, 1987	85 554	100	41 765	75 513	35 282	53 481	4 127	1 733
1982	93 981	30	49 343	96 423	52 990	74 475	7 459	3 331
bushels, 1987	8 899 671	12 300	3 607 542	7 492 717	3 615 044	4 358 691	391 641	97 135
1982	9 250 795	2 218	4 885 848	10 585 582	4 925 697	7 002 146	675 243	211 345
Irrigated farms, 1987	3	-	5	15	33	15	-	1
1982	3	-	4	7	29	11	1	1
acres, 1987	(D)	-	355	1 054	4 748	1 825	-	(D)
1982	(D)	-	(D)	708	5 156	1 717	(D)	(D)
1987 farms by acres harvested:								
1 to 24 acres	311	3	241	295	180	223	51	23
25 to 99 acres	419	1	235	304	168	299	15	18
100 to 249 acres	185	-	102	135	53	107	8	5
250 acres or more	73	-	23	72	29	43	4	-
Wheat for grain farms, 1987	314	2	339	377	110	398	21	18
1982	404	1	444	552	125	525	43	24
acres, 1987	13 372	(D)	10 916	16 309	4 209	13 052	422	347
1982	14 604	(D)	13 526	20 816	4 615	17 912	1 551	914
bushels, 1987	650 520	(D)	514 717	907 721	189 387	575 650	13 761	12 708
1982	628 578	(D)	500 627	1 015 347	146 557	672 868	57 986	27 747
Irrigated farms, 1987	1	-	1	2	2	4	-	-
1982	1	-	-	1	2	2	-	-
acres, 1987	(D)	-	(D)	(D)	(D)	296	-	-
1982	(D)	-	-	(D)	(D)	(D)	-	-
1987 farms by acres harvested:								
1 to 24 acres	140	2	189	173	86	226	19	13
25 to 99 acres	142	-	134	171	22	151	1	5
100 to 249 acres	32	-	15	31	1	19	1	-
250 acres or more	-	-	1	2	1	2	-	-
Soybeans for beans farms, 1987	458	-	682	345	130	294	98	-
1982	495	-	837	348	208	310	175	-
acres, 1987	38 961	-	68 441	22 526	9 684	18 349	6 610	-
1982	37 794	-	68 900	22 162	10 987	19 902	12 124	-
bushels, 1987	1 375 576	-	2 264 901	874 300	346 548	571 362	185 468	-
1982	1 037 905	-	2 053 658	734 330	273 708	561 697	269 892	-
Irrigated farms, 1987	3	-	5	1	12	3	1	-
1982	-	-	5	1	2	5	1	-
acres, 1987	55	-	170	(D)	661	169	(D)	-
1982	-	-	92	(D)	(D)	611	(D)	-
1987 farms by acres harvested:								
1 to 24 acres	143	-	173	108	50	116	35	-
25 to 99 acres	205	-	293	169	56	127	45	-
100 to 249 acres	75	-	154	59	17	39	10	-
250 acres or more	35	-	62	9	7	12	8	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) farms, 1987	966	37	504	534	390	704	53	128
1982	1 072	40	575	574	455	718	73	172
acres, 1987	77 622	4 584	24 254	22 714	13 784	30 126	1 119	7 962
1982	71 643	3 455	23 317	21 733	13 289	26 853	2 560	9 818
tons, dry, 1987	198 194	9 858	57 917	55 434	36 114	77 767	2 379	9 710
1982	198 990	5 225	69 012	59 059	35 139	74 470	4 171	15 662
Irrigated farms, 1987	8	-	5	4	2	3	-	1
1982	4	-	1	2	3	1	-	-
acres, 1987	318	-	292	129	(D)	(D)	-	(D)
1982	153	-	(D)	(D)	(D)	(D)	-	-
1987 farms by acres harvested:								
1 to 24 acres	273	9	271	298	225	365	38	46
25 to 99 acres	409	16	157	176	134	250	14	52
100 to 249 acres	237	7	66	49	26	78	1	27
250 acres or more	47	5	10	11	5	11	-	3
Vegetables harvested for sale (see text) farms, 1987	27	7	21	40	201	47	55	10
1982	25	3	19	38	281	60	71	11
acres, 1987	601	17	156	1 994	14 853	1 673	1 519	720
1982	763	(D)	93	1 998	12 391	2 148	1 914	754
Irrigated farms, 1987	6	-	7	8	45	23	12	-
1982	4	-	3	9	42	23	13	-
acres, 1987	68	-	37	416	11 007	958	239	-
1982	(D)	-	4	496	8 287	1 235	155	-
1987 farms by acres harvested:								
0.1 to 4.9 acres	11	6	13	11	68	26	19	3
5.0 to 24.9 acres	10	1	5	11	86	10	24	2
25.0 to 99.9 acres	5	-	3	10	30	6	6	2
100.0 acres or more	1	-	-	8	17	5	6	3
Land in orchards farms, 1987	28	1	13	19	373	50	29	8
1982	39	3	31	25	410	57	36	7
acres, 1987	329	(D)	127	372	18 663	826	166	82
1982	435	4	156	302	18 373	955	245	60
Irrigated farms, 1987	4	-	1	3	27	16	7	3
1982	4	-	3	1	13	11	3	-
acres, 1987	7	-	(D)	3	3 296	209	22	(D)
1982	13	-	(D)	(D)	699	171	6	-
1987 farms by bearing and nonbearing acres:								
0.1 to 4.9 acres	13	1	7	11	70	27	18	3
5.0 to 24.9 acres	11	-	5	4	155	16	9	4
25.0 to 99.9 acres	4	-	1	2	100	5	2	1
100.0 acres or more	-	-	-	2	43	2	-	-

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item		Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
FARMS AND LAND IN FARMS								
Land in farms	farms, 1987	24 180	66	25	820	131	120	186
	1982	28 432	74	31	962	143	136	212
	acres, 1987	8 230 453	21 411	10 686	203 319	45 388	38 760	75 953
	1982	8 714 677	23 644	11 675	218 919	43 799	47 027	76 419
Average size of farm	acres, 1987	340	324	427	248	346	323	408
	1982	307	320	377	228	306	346	360
Value of land and buildings[1]:								
Average per farm	dollars, 1987	318 259	144 866	156 680	289 262	233 226	276 042	303 175
	1982	378 401	254 113	180 452	295 247	212 692	309 176	387 415
Average per acre	dollars, 1987	933	627	367	1 151	609	801	760
	1982	1 230	541	479	1 277	723	938	1 128
Total cropland	farms, 1987	23 530	58	25	772	130	108	182
	1982	27 936	72	31	927	142	125	210
	acres, 1987	6 892 225	15 835	6 276	173 708	34 654	27 545	61 138
	1982	7 149 479	17 477	6 755	185 569	31 954	30 869	60 838
Harvested cropland	farms, 1987	23 175	52	23	755	128	102	181
	1982	27 631	71	31	907	140	121	209
	acres, 1987	5 457 771	8 988	4 647	129 937	24 161	20 888	48 243
	1982	6 427 512	11 837	5 000	167 921	24 692	25 221	53 753
Irrigated land	farms, 1987	2 897	-	1	136	5	26	14
	1982	2 455	-	1	97	5	25	6
	acres, 1987	308 029	-	(D)	9 435	58	3 951	(D)
	1982	281 338	-	(D)	7 017	69	4 055	(D)
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales (see text)	$1,000, 1987	2 454 599	3 329	1 524	117 716	8 920	11 054	15 917
	1982	2 480 450	4 094	1 653	119 956	8 250	11 034	15 402
Average per farm	dollars, 1987	101 514	50 439	60 976	143 556	68 089	92 113	85 574
	1982	87 242	55 323	53 322	124 694	57 693	81 132	72 650
1987 sales by commodity or commodity group:								
Crops, including nursery and greenhouse crops	farms	19 793	30	12	593	85	80	145
	$1,000	1 214 834	445	87	42 658	2 645	5 306	9 631
Grains	farms	15 634	17	3	388	65	39	138
	$1,000	543 794	283	(D)	8 391	1 280	566	3 938
Corn for grain	farms	12 464	11	2	309	30	29	108
	$1,000	269 871	189	(D)	6 677	261	360	1 459
Wheat	farms	7 553	10	-	182	21	12	72
	$1,000	39 358	49	-	544	(D)	76	440
Soybeans	farms	8 661	-	-	79	5	-	73
	$1,000	160 825	-	-	1 003	57	-	583
Sorghum for grain	farms	11	-	-	-	-	-	-
	$1,000	34	-	-	-	-	-	-
Barley	farms	521	-	1	7	4	1	1
	$1,000	2 386	-	(D)	(D)	(D)	(D)	(D)
Oats	farms	4 175	8	-	82	37	10	55
	$1,000	10 807	(D)	-	113	170	(D)	(D)
Other grains	farms	3 822	2	-	24	20	6	79
	$1,000	60 514	(D)	-	(D)	720	107	1 286
Cotton and cottonseed	farms	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-
Tobacco	farms	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-
Hay, silage, and field seeds	farms	4 949	22	9	164	42	21	27
	$1,000	40 478	147	49	1 224	269	214	231
Vegetables, sweet corn, and melons	farms	2 097	2	1	72	6	8	36
	$1,000	133 613	(D)	(D)	6 094	64	14	2 198
Fruits, nuts, and berries	farms	2 285	1	2	116	5	35	5
	$1,000	159 029	(D)	(D)	7 285	260	2 816	(D)
Nursery and greenhouse crops	farms	1 070	-	-	51	-	6	3
	$1,000	214 180	-	-	17 277	-	(D)	(D)
Other crops	farms	1 821	-	-	15	6	10	57
	$1,000	123 741	-	-	2 387	771	(D)	(D)
Livestock, poultry, and their products	farms	13 680	60	23	549	103	75	94
	$1,000	1 239 765	2 884	1 437	75 058	6 275	5 748	6 286
Poultry and poultry products	farms	763	4	-	39	2	13	7
	$1,000	115 848	(D)	-	12 413	(D)	1 273	(D)
Dairy products	farms	5 777	14	15	219	56	25	51
	$1,000	567 653	(D)	1 022	25 684	4 689	2 380	4 239
Cattle and calves	farms	10 741	54	21	382	98	47	79
	$1,000	300 282	1 200	353	12 420	1 433	1 238	836
Hogs and pigs	farms	3 677	3	-	194	11	10	16
	$1,000	221 776	(D)	-	23 680	126	(D)	1 182
Sheep, lambs, and wool	farms	732	2	3	20	4	1	1
	$1,000	3 719	(D)	(D)	49	26	(D)	(D)
Other livestock and livestock products (see text)	farms	1 062	4	2	28	2	14	4
	$1,000	30 488	55	(D)	812	(D)	573	2

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item		Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
FARMS AND LAND IN FARMS								
Land in farms	farms, 1987	20	330	565	53	692	518	478
	1982	16	455	653	58	757	638	639
	acres, 1987	8 394	119 122	157 614	15 477	147 810	190 878	191 961
	1982	6 891	138 629	159 264	15 662	149 820	208 297	220 943
Average size of farm	acres, 1987	420	361	279	292	214	368	402
	1982	431	305	244	270	198	326	346
Value of land and buildings[1]:								
Average per farm	dollars, 1987	155 750	299 727	339 381	224 056	243 956	274 025	260 360
	1982	173 938	258 352	501 315	278 793	275 511	320 411	315 199
Average per acre	dollars, 1987	371	843	1 152	763	1 073	769	698
	1982	404	920	1 990	1 029	1 426	992	901
Total cropland	farms, 1987	20	320	556	52	684	507	469
	1982	16	440	647	58	748	632	631
	acres, 1987	5 187	98 453	146 201	9 197	128 038	153 549	156 257
	1982	3 883	108 623	146 650	8 184	126 500	165 326	179 685
Harvested cropland	farms, 1987	20	314	554	50	680	506	468
	1982	16	430	642	58	743	629	624
	acres, 1987	3 295	70 349	125 734	6 118	102 113	113 443	112 654
	1982	2 865	93 550	140 213	6 061	112 364	150 785	159 255
Irrigated land	farms, 1987	-	17	77	17	181	121	48
	1982	1	17	49	19	133	118	46
	acres, 1987	-	2 591	6 573	496	9 115	22 654	8 423
	1982	(D)	2 180	3 963	483	5 140	24 288	10 487
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales (see text)	$1,000, 1987	685	28 597	42 264	3 560	60 646	47 224	39 867
	1982	766	36 105	41 825	3 606	61 882	48 366	52 489
Average per farm	dollars, 1987	34 245	86 658	74 803	67 177	87 639	91 165	83 403
	1982	47 859	79 352	64 051	62 178	81 746	75 808	82 142
1987 sales by commodity or commodity group:								
Crops, including nursery and greenhouse crops	farms	6	245	543	44	665	457	421
	$1,000	(D)	7 152	38 820	2 711	50 505	22 616	17 474
Grains	farms	1	224	494	7	347	443	394
	$1,000	(D)	5 967	15 211	(D)	11 269	16 741	12 178
Corn for grain	farms	1	187	351	6	264	390	340
	$1,000	(D)	3 540	6 168	38	6 087	10 694	7 758
Wheat	farms	-	154	133	-	134	189	277
	$1,000	-	705	476	-	658	716	1 306
Soybeans	farms	-	95	263	-	262	362	230
	$1,000	-	1 505	3 586	-	4 399	4 800	2 841
Sorghum for grain	farms	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-
Barley	farms	1	1	4	-	-	2	6
	$1,000	(D)	(D)	13	-	-	(D)	3
Oats	farms	-	39	64	1	22	45	81
	$1,000	-	(D)	88	(D)	42	(D)	166
Other grains	farms	-	27	332	1	18	24	15
	$1,000	-	140	4 878	(D)	82	448	105
Cotton and cottonseed	farms	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-
Tobacco	farms	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-
Hay, silage, and field seeds	farms	4	79	34	7	72	81	94
	$1,000	(D)	500	138	53	296	791	527
Vegetables, sweet corn, and melons	farms	1	18	95	5	200	12	8
	$1,000	(D)	320	4 299	73	9 564	665	915
Fruits, nuts, and berries	farms	-	4	4	35	400	7	8
	$1,000	-	(D)	27	2 487	23 521	163	389
Nursery and greenhouse crops	farms	-	4	13	2	47	10	10
	$1,000	-	269	1 596	(D)	5 791	(D)	(D)
Other crops	farms	-	2	324	-	18	1	2
	$1,000	-	(D)	17 548	-	64	(D)	(D)
Livestock, poultry, and their products	farms	20	236	80	22	201	315	308
	$1,000	646	21 445	3 444	850	10 141	24 608	22 393
Poultry and poultry products	farms	-	6	4	-	12	15	22
	$1,000	-	1 179	14	-	(D)	(D)	972
Dairy products	farms	16	119	25	3	39	95	103
	$1,000	(D)	13 293	2 282	(D)	2 627	7 205	8 797
Cattle and calves	farms	20	201	56	16	119	216	243
	$1,000	(D)	4 170	553	632	1 430	7 231	5 800
Hogs and pigs	farms	-	56	20	4	100	164	104
	$1,000	-	2 463	346	(D)	5 223	9 861	6 692
Sheep, lambs, and wool	farms	-	7	1	-	9	23	22
	$1,000	-	48	(D)	-	(D)	(D)	60
Other livestock and livestock products (see text)	farms	1	18	12	4	22	28	22
	$1,000	(D)	292	(D)	(D)	488	149	72

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item		Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
FARMS AND LAND IN FARMS								
Land in farms	farms, 1987	436	61	52	125	114	696	4
	1982	528	66	53	129	122	805	2
	acres, 1987	167 766	21 897	25 855	53 533	47 486	216 278	190
	1982	169 995	25 128	23 169	58 550	50 709	224 399	(D)
Average size of farm	acres, 1987	385	359	497	428	417	311	48
	1982	322	381	437	454	416	279	(D)
Value of land and buildings[1]:								
Average per farm	dollars, 1987	364 111	225 063	252 981	144 032	260 117	273 598	100 000
	1982	386 629	346 621	198 486	184 115	327 705	319 310	(D)
Average per acre	dollars, 1987	897	599	592	352	612	865	(D)
	1982	1 172	732	409	448	764	1 152	(D)
Total cropland	farms, 1987	419	55	52	122	111	688	4
	1982	520	66	52	128	117	805	2
	acres, 1987	134 869	14 947	16 452	41 633	35 953	190 482	148
	1982	135 440	16 465	15 174	44 650	35 739	192 281	(D)
Harvested cropland	farms, 1987	410	52	52	121	105	682	4
	1982	511	64	51	126	110	802	2
	acres, 1987	99 303	11 378	11 500	29 463	22 432	157 640	(D)
	1982	118 283	13 445	10 608	31 862	25 921	179 219	(D)
Irrigated land	farms, 1987	72	1	4	3	3	27	1
	1982	65	5	3	2	4	22	-
	acres, 1987	12 319	(D)	20	(D)	(D)	3 534	(D)
	1982	11 837	(D)	(D)	(D)	(D)	2 536	-
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales (see text)	$1,000, 1987	57 876	3 745	4 221	6 010	8 196	59 843	51
	1982	53 617	3 982	3 737	6 430	9 627	62 037	(D)
Average per farm	dollars, 1987	132 743	61 398	81 174	48 077	71 892	85 981	12 836
	1982	101 547	60 340	70 501	49 843	78 912	77 064	(D)
1987 sales by commodity or commodity group:								
Crops, including nursery and greenhouse crops	farms	356	29	26	80	49	608	2
	$1,000	18 231	846	553	1 076	459	20 082	(D)
Grains	farms	311	16	10	31	34	572	-
	$1,000	11 437	250	106	82	223	16 063	-
Corn for grain	farms	254	14	-	1	18	424	-
	$1,000	7 115	228	-	(D)	126	5 798	-
Wheat	farms	133	2	7	3	18	366	-
	$1,000	647	(D)	20	3	66	1 526	-
Soybeans	farms	205	-	-	-	2	494	-
	$1,000	3 530	-	-	-	(D)	7 749	-
Sorghum for grain	farms	2	-	-	-	-	-	-
	$1,000	(D)	-	-	-	-	-	-
Barley	farms	1	5	5	3	1	17	-
	$1,000	(D)	5	31	(D)	(D)	(D)	-
Oats	farms	34	5	2	28	17	153	-
	$1,000	65	8	(D)	58	29	(D)	-
Other grains	farms	11	1	1	-	-	101	-
	$1,000	(D)	(D)	(D)	-	-	708	-
Cotton and cottonseed	farms	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-
Tobacco	farms	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-
Hay, silage, and field seeds	farms	107	12	14	73	31	147	1
	$1,000	717	105	106	865	(D)	1 068	(D)
Vegetables, sweet corn, and melons	farms	45	5	5	1	1	13	-
	$1,000	2 761	(D)	32	(D)	(D)	447	-
Fruits, nuts, and berries	farms	33	5	4	3	-	12	-
	$1,000	2 757	273	(D)	(D)	-	588	-
Nursery and greenhouse crops	farms	10	3	3	-	1	14	1
	$1,000	(D)	(D)	(D)	-	(D)	1 054	(D)
Other crops	farms	3	1	-	1	-	18	-
	$1,000	(D)	(D)	-	(D)	-	861	-
Livestock, poultry, and their products	farms	285	49	43	101	111	406	3
	$1,000	39 645	2 900	3 669	4 934	7 736	39 761	(D)
Poultry and poultry products	farms	7	4	4	3	4	5	2
	$1,000	(D)	178	2	(D)	1	(D)	(D)
Dairy products	farms	41	26	15	56	51	179	-
	$1,000	(D)	1 983	(D)	2 831	(D)	26 421	-
Cattle and calves	farms	135	43	43	92	98	317	3
	$1,000	3 119	508	978	1 267	2 268	7 380	21
Hogs and pigs	farms	180	4	9	10	21	119	-
	$1,000	32 045	112	32	100	1 023	5 588	-
Sheep, lambs, and wool	farms	23	3	4	13	8	26	2
	$1,000	86	(D)	4	83	(D)	(D)	(D)
Other livestock and livestock products (see text)	farms	15	3	3	13	12	17	2
	$1,000	1 334	(D)	(D)	(D)	173	146	(D)

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
FARMS AND LAND IN FARMS							
Land in farms .... farms, 1987..	115	50	531	62	295	139	9
1982..	131	54	663	62	394	156	15
acres, 1987..	50 047	20 841	188 679	25 885	116 459	38 984	1 146
1982..	49 760	22 082	203 419	22 526	129 066	43 485	(D)
Average size of farm .... acres, 1987..	435	417	355	418	395	280	127
1982..	380	409	307	363	328	279	(D)
Value of land and buildings[1]:							
Average per farm .... dollars, 1987..	185 664	216 220	274 276	327 061	387 132	156 493	96 000
1982..	178 893	222 870	355 154	284 191	418 365	260 506	107 400
Average per acre .... dollars, 1987..	418	500	795	796	1 038	870	754
1982..	413	530	1 115	658	1 191	886	405
Total cropland .... farms, 1987..	111	48	523	61	286	136	6
1982..	124	54	657	61	388	151	12
acres, 1987..	28 572	11 329	157 253	15 419	105 306	31 411	922
1982..	27 611	12 305	167 456	13 347	111 908	34 804	(D)
Harvested cropland .... farms, 1987..	107	48	516	61	282	133	7
1982..	119	54	650	60	386	148	12
acres, 1987..	20 076	7 966	121 388	11 251	82 802	21 110	676
1982..	20 443	9 433	149 715	10 483	102 663	28 558	1 430
Irrigated land .... farms, 1987..	9	9	28	10	26	-	1
1982..	10	10	22	10	18	-	-
acres, 1987..	279	539	1 197	338	1 657	-	(D)
1982..	380	(D)	1 646	301	1 181	-	-
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD							
Total sales (see text) .... $1,000, 1987..	7 854	4 321	36 262	4 212	27 710	6 014	857
1982..	7 270	3 929	41 622	3 639	32 788	6 741	895
Average per farm .... dollars, 1987..	68 297	86 422	68 290	67 934	93 931	43 264	95 235
1982..	55 499	72 768	62 779	58 691	83 218	43 210	59 649
1987 sales by commodity or commodity group:							
Crops, including nursery and greenhouse crops .... farms..	58	29	456	40	253	78	1
$1,000..	1 592	1 834	20 924	1 348	14 261	1 454	(D)
Grains .... farms..	32	12	416	19	206	64	-
$1,000..	396	(D)	15 259	205	8 472	950	-
Corn for grain .... farms..	7	1	363	15	167	46	-
$1,000..	(D)	(D)	6 897	161	4 062	466	-
Wheat .... farms..	-	-	300	2	98	34	-
$1,000..	-	-	2 092	(D)	554	111	-
Soybeans .... farms..	1	-	282	-	166	18	-
$1,000..	(D)	-	4 457	-	3 350	174	-
Sorghum for grain .... farms..	-	-	1	-	-	-	-
$1,000..	-	-	(D)	-	-	-	-
Barley .... farms..	18	4	8	2	3	4	-
$1,000..	116	9	(D)	(D)	5	(D)	-
Oats .... farms..	13	8	68	7	88	17	-
$1,000..	29	(D)	125	20	293	(D)	-
Other grains .... farms..	8	-	126	1	25	11	-
$1,000..	174	-	1 678	(D)	209	115	-
Cotton and cottonseed .... farms..	-	-	-	-	-	-	-
$1,000..	-	-	-	-	-	-	-
Tobacco .... farms..	-	-	-	-	-	-	-
$1,000..	-	-	-	-	-	-	-
Hay, silage, and field seeds .... farms..	26	13	92	18	53	37	-
$1,000..	207	83	508	349	(D)	236	-
Vegetables, sweet corn, and melons .... farms..	4	2	21	4	20	2	-
$1,000..	(D)	(D)	2 323	125	403	(D)	-
Fruits, nuts, and berries .... farms..	3	-	10	2	18	1	-
$1,000..	52	-	71	(D)	920	(D)	-
Nursery and greenhouse crops .... farms..	1	3	13	7	21	1	1
$1,000..	(D)	(D)	(D)	428	2 261	(D)	(D)
Other crops .... farms..	13	12	5	7	6	10	-
$1,000..	871	1 364	(D)	(D)	(D)	219	-
Livestock, poultry, and their products .... farms..	99	39	282	48	142	116	8
$1,000..	6 262	2 487	15 338	2 864	13 449	4 560	(D)
Poultry and poultry products .... farms..	1	-	14	1	8	19	-
$1,000..	(D)	-	165	(D)	2	20	-
Dairy products .... farms..	57	21	110	23	31	57	6
$1,000..	3 773	1 272	7 634	2 092	4 068	2 453	166
Cattle and calves .... farms..	87	37	224	45	106	105	8
$1,000..	965	297	3 432	714	6 863	1 342	24
Hogs and pigs .... farms..	7	5	78	6	48	44	-
$1,000..	(D)	(D)	3 619	57	2 228	667	-
Sheep, lambs, and wool .... farms..	-	-	17	2	9	9	-
$1,000..	-	-	118	(D)	31	39	-
Other livestock and livestock products (see text) .... farms..	12	6	23	-	20	11	2
$1,000..	1 283	(D)	151	-	256	40	(D)

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item		Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
FARMS AND LAND IN FARMS									
Land in farms	farms, 1987	218	620	545	38	1 061	403	546	75
	1982	218	788	690	44	1 266	504	648	76
	acres, 1987	54 764	255 399	200 942	14 252	402 160	176 611	208 209	31 743
	1982	52 584	264 469	223 207	14 771	410 279	190 332	207 498	38 272
Average size of farm	acres, 1987	251	412	369	375	379	438	381	423
	1982	241	336	323	336	324	378	320	504
Value of land and buildings[1]:									
Average per farm	dollars, 1987	315 546	368 205	293 431	196 474	388 703	461 059	316 753	284 444
	1982	372 651	517 402	406 409	160 722	525 005	463 591	312 128	372 066
Average per acre	dollars, 1987	1 294	852	778	499	996	1 022	835	545
	1982	1 417	1 638	1 158	408	1 578	1 236	1 008	622
Total cropland	farms, 1987	212	611	531	38	1 017	396	534	70
	1982	213	775	676	44	1 233	498	643	75
	acres, 1987	40 917	230 220	168 684	8 437	367 978	151 542	176 239	17 244
	1982	39 139	232 533	179 317	7 726	367 771	163 316	173 546	24 179
Harvested cropland	farms, 1987	212	606	524	38	1 010	391	533	70
	1982	212	769	667	43	1 227	490	642	75
	acres, 1987	31 433	193 723	128 511	6 259	312 068	118 213	139 863	12 373
	1982	32 752	223 411	167 846	5 033	345 619	146 620	157 678	19 209
Irrigated land	farms, 1987	59	22	31	3	18	17	42	2
	1982	62	24	30	2	12	22	27	3
	acres, 1987	2 382	1 593	4 286	16	1 422	1 793	3 753	(D)
	1982	2 469	2 821	3 844	(D)	1 135	2 091	2 480	(D)
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD									
Total sales (see text)	$1,000, 1987	12 310	64 778	51 042	1 957	144 268	44 340	67 862	6 214
	1982	12 476	68 069	57 161	2 193	138 735	53 627	60 950	6 788
Average per farm	dollars, 1987	56 468	104 481	93 655	51 493	135 974	110 026	124 289	82 857
	1982	57 229	86 382	82 842	49 831	109 586	106 402	94 059	89 317
1987 sales by commodity or commodity group:									
Crops, including nursery and greenhouse crops	farms	194	561	476	26	923	347	455	41
	$1,000	8 743	36 173	19 379	537	52 804	19 093	19 177	590
Grains	farms	49	537	461	12	904	309	422	27
	$1,000	538	24 663	15 308	81	35 609	12 334	13 517	246
Corn for grain	farms	43	435	381	4	727	262	339	19
	$1,000	376	9 636	9 633	(D)	14 092	6 912	6 834	165
Wheat	farms	28	208	232	-	537	216	293	8
	$1,000	114	1 013	827	-	3 694	1 766	1 568	27
Soybeans	farms	-	433	354	-	92	190	249	3
	$1,000	-	8 892	4 602	-	721	3 300	3 790	22
Sorghum for grain	farms	-	-	-	-	-	-	1	-
	$1,000	-	-	-	-	-	-	(D)	-
Barley	farms	-	9	-	4	134	6	12	1
	$1,000	-	(D)	-	(D)	810	7	(D)	(D)
Oats	farms	18	120	67	8	387	55	120	7
	$1,000	(D)	(D)	113	26	1 241	99	210	23
Other grains	farms	8	313	9	-	733	19	65	3
	$1,000	(D)	4 839	133	-	15 052	250	1 058	(D)
Cotton and cottonseed	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Tobacco	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Hay, silage, and field seeds	farms	48	82	133	14	196	96	112	23
	$1,000	(D)	847	1 382	88	2 577	571	739	270
Vegetables, sweet corn, and melons	farms	30	53	14	3	11	16	33	2
	$1,000	835	3 545	484	(D)	(D)	2 279	1 334	(D)
Fruits, nuts, and berries	farms	125	5	9	5	5	8	28	4
	$1,000	6 243	(D)	363	37	35	(D)	2 793	(D)
Nursery and greenhouse crops	farms	8	4	8	4	3	16	11	1
	$1,000	854	(D)	(D)	(D)	(D)	3 222	(D)	(D)
Other crops	farms	1	95	1	3	327	9	2	-
	$1,000	(D)	6 828	(D)	(D)	14 468	(D)	(D)	-
Livestock, poultry, and their products	farms	78	291	363	30	636	264	394	65
	$1,000	3 567	28 605	31 664	1 420	91 464	25 247	48 685	5 625
Poultry and poultry products	farms	3	14	18	1	37	7	7	5
	$1,000	(D)	1 234	546	(D)	11 540	239	(D)	3
Dairy products	farms	19	116	132	17	316	109	182	29
	$1,000	1 659	13 268	12 787	(D)	28 331	(D)	22 763	(D)
Cattle and calves	farms	59	227	264	26	542	210	329	59
	$1,000	1 085	10 551	9 967	219	42 595	4 875	7 188	2 806
Hogs and pigs	farms	24	93	153	1	105	83	105	6
	$1,000	640	3 472	8 171	(D)	8 788	4 975	6 329	(D)
Sheep, lambs, and wool	farms	2	15	25	1	13	18	14	7
	$1,000	(D)	31	53	(D)	12	(D)	77	18
Other livestock and livestock products (see text)	farms	7	15	25	4	14	17	12	9
	$1,000	180	49	141	45	198	326	(D)	44

See footnotes at end of table.

Table 16. Farms With Sales of $10,000 or More: 1987 and 1982—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item		Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
FARMS AND LAND IN FARMS									
Land in farms	farms, 1987	25	454	403	392	23	612	-	25
	1982	33	505	499	448	31	716	-	30
	acres, 1987	14 952	152 705	162 435	137 618	8 015	161 689	-	7 609
	1982	20 159	158 981	183 817	146 752	10 758	179 069	-	8 760
Average size of farm	acres, 1987	598	336	403	351	348	264	-	304
	1982	611	315	368	328	347	250	-	292
Value of land and buildings[1]:									
Average per farm	dollars, 1987	227 760	245 404	304 861	405 424	197 043	333 488	-	214 667
	1982	268 182	296 768	365 683	416 924	264 452	351 753	-	156 909
Average per acre	dollars, 1987	381	676	754	1 186	565	1 173	-	515
	1982	439	956	1 028	1 260	762	1 427	-	557
Total cropland	farms, 1987	24	440	381	382	23	594	-	22
	1982	31	501	494	444	30	703	-	29
	acres, 1987	6 313	131 273	127 114	114 858	6 248	135 891	-	4 973
	1982	8 881	134 342	143 472	121 155	7 678	145 213	-	5 632
Harvested cropland	farms, 1987	24	427	377	373	23	575	-	22
	1982	31	499	493	436	29	699	-	29
	acres, 1987	4 537	106 200	94 947	84 860	4 024	106 578	-	3 312
	1982	6 069	121 098	128 107	107 436	6 162	128 905	-	4 712
Irrigated land	farms, 1987	4	16	43	131	4	108	-	-
	1982	5	7	27	109	10	109	-	1
	acres, 1987	340	1 318	4 697	15 005	1 088	7 278	-	-
	1982	541	1 182	5 659	13 011	(D)	4 723	-	(D)
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD									
Total sales (see text)	$1,000, 1987	1 466	37 817	43 735	63 115	2 135	80 645	-	1 037
	1982	1 700	39 283	42 580	51 316	2 528	75 449	-	1 289
Average per farm	dollars, 1987	58 657	83 298	108 524	161 008	(D)	131 773	-	41 476
	1982	51 518	77 789	85 331	114 546	81 546	105 376	-	42 957
1987 sales by commodity or commodity group:									
Crops, including nursery and greenhouse crops	farms	9	337	340	358	14	499	-	13
	$1,000	550	8 920	12 019	35 071	1 074	49 053	-	57
Grains	farms	5	304	295	236	9	300	-	2
	$1,000	(D)	6 501	7 023	11 781	181	6 181	-	(D)
Corn for grain	farms	-	219	246	215	7	249	-	-
	$1,000	-	2 603	5 391	6 930	93	4 613	-	-
Wheat	farms	-	183	187	143	7	141	-	1
	$1,000	-	739	775	1 041	60	518	-	(D)
Soybeans	farms	-	135	80	173	1	35	-	-
	$1,000	-	1 616	690	3 607	(D)	383	-	-
Sorghum for grain	farms	-	-	1	-	-	-	-	-
	$1,000	-	-	(D)	-	-	-	-	-
Barley	farms	-	17	3	1	-	3	-	-
	$1,000	-	32	(D)	(D)	-	(D)	-	-
Oats	farms	5	111	72	41	1	83	-	2
	$1,000	(D)	297	101	102	(D)	(D)	-	(D)
Other grains	farms	-	111	10	13	2	19	-	-
	$1,000	-	1 215	(D)	(D)	(D)	482	-	-
Cotton and cottonseed	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Tobacco	farms	-	-	-	-	-	-	-	-
	$1,000	-	-	-	-	-	-	-	-
Hay, silage, and field seeds	farms	4	112	130	78	7	162	-	11
	$1,000	(D)	1 083	1 075	(D)	40	1 502	-	34
Vegetables, sweet corn, and melons	farms	-	8	28	24	1	78	-	1
	$1,000	-	(D)	2 539	4 106	(D)	5 922	-	(D)
Fruits, nuts, and berries	farms	-	2	12	34	1	157	-	-
	$1,000	-	(D)	(D)	1 392	(D)	18 939	-	-
Nursery and greenhouse crops	farms	-	3	17	73	1	55	-	-
	$1,000	-	(D)	795	17 032	(D)	15 888	-	-
Other crops	farms	5	6	5	4	2	10	-	-
	$1,000	529	(D)	(D)	(D)	(D)	621	-	-
Livestock, poultry, and their products	farms	20	307	286	176	17	363	-	24
	$1,000	916	28 897	31 717	28 044	1 061	31 593	-	979
Poultry and poultry products	farms	1	9	8	13	-	10	-	3
	$1,000	(D)	(D)	(D)	3 489	-	2	-	(D)
Dairy products	farms	10	160	81	34	9	164	-	9
	$1,000	459	16 428	(D)	4 698	642	(D)	-	(D)
Cattle and calves	farms	19	255	212	103	13	299	-	19
	$1,000	326	7 016	9 635	4 361	(D)	7 259	-	312
Hogs and pigs	farms	2	78	114	69	5	67	-	5
	$1,000	(D)	3 235	9 950	5 522	213	2 506	-	(D)
Sheep, lambs, and wool	farms	3	15	24	16	-	10	-	2
	$1,000	9	(D)	272	(D)	-	(D)	-	(D)
Other livestock and livestock products (see text)	farms	3	20	32	23	3	44	-	7
	$1,000	(D)	236	250	(D)	(D)	1 161	-	(D)

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
FARMS AND LAND IN FARMS								
Land in farms .... farms, 1987..	451	203	819	281	15	33	326	87
1982..	544	224	956	319	12	41	391	93
acres, 1987..	167 956	50 689	312 350	97 207	7 605	17 229	64 782	27 543
1982..	177 006	54 600	341 493	105 756	6 802	20 850	72 999	27 500
Average size of farm .... acres, 1987..	372	250	381	346	507	522	199	317
1982..	325	244	357	332	567	509	187	296
Value of land and buildings[1]:								
Average per farm .... dollars, 1987..	401 849	389 981	427 486	406 604	180 267	173 465	361 594	287 264
1982..	397 572	412 500	531 847	367 897	237 250	185 390	346 307	277 849
Average per acre .... dollars, 1987..	1 009	1 678	1 113	1 138	356	332	1 859	855
1982..	1 252	1 630	1 471	1 225	419	365	1 825	1 061
Total cropland .... farms, 1987..	439	201	800	273	15	33	322	86
1982..	537	221	934	307	12	41	381	88
acres, 1987..	142 387	31 797	287 261	79 840	4 447	10 759	57 126	19 086
1982..	146 682	33 653	305 985	84 427	3 209	12 567	64 290	17 493
Harvested cropland .... farms, 1987..	433	200	790	266	15	33	318	86
1982..	529	220	927	301	12	40	379	88
acres, 1987..	108 615	23 427	238 056	60 965	2 456	7 301	47 535	13 799
1982..	126 946	26 622	292 568	74 411	2 549	9 787	58 550	13 598
Irrigated land .... farms, 1987..	43	46	33	30	1	1	76	37
1982..	27	65	23	15	1	-	66	43
acres, 1987..	3 728	2 061	3 105	1 681	(D)	(D)	2 028	3 558
1982..	2 093	2 915	2 378	1 572	(D)	-	1 798	4 352
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales (see text) .... $1,000, 1987..	53 391	14 581	76 512	28 792	807	2 507	29 247	8 859
1982..	50 266	15 446	86 119	31 235	625	2 710	32 534	8 391
Average per farm .... dollars, 1987..	118 383	71 830	93 422	102 461	53 826	75 959	89 714	101 831
1982..	92 401	68 956	90 083	97 914	52 072	66 110	83 207	90 224
1987 sales by commodity or commodity group:								
Crops, including nursery and greenhouse crops .... farms..	340	191	761	233	10	15	303	72
$1,000..	28 908	11 203	44 654	12 950	338	157	24 598	7 943
Grains .... farms..	266	25	742	177	1	7	173	18
$1,000..	10 447	235	36 167	5 339	(D)	19	5 580	311
Corn for grain .... farms..	230	18	636	164	-	-	138	13
$1,000..	7 366	189	15 122	3 933	-	-	2 414	90
Wheat .... farms..	111	7	406	113	1	5	49	6
$1,000..	520	15	2 413	566	(D)	(D)	214	23
Soybeans .... farms..	92	2	676	63	-	-	133	-
$1,000..	1 088	(D)	18 167	670	-	-	2 741	-
Sorghum for grain .... farms..	1	-	-	-	-	-	-	-
$1,000..	(D)	-	-	-	-	-	-	-
Barley .... farms..	4	-	1	-	-	1	5	3
$1,000..	(D)	-	(D)	-	-	(D)	(D)	(D)
Oats .... farms..	103	4	84	55	-	1	60	2
$1,000..	334	4	156	(D)	-	(D)	127	(D)
Other grains .... farms..	37	8	35	10	-	-	15	9
$1,000..	1 129	(D)	(D)	(D)	-	-	(D)	196
Cotton and cottonseed .... farms..	-	-	-	-	-	-	-	-
$1,000..	-	-	-	-	-	-	-	-
Tobacco .... farms..	-	-	-	-	-	-	-	-
$1,000..	-	-	-	-	-	-	-	-
Hay, silage, and field seeds .... farms..	136	21	113	91	4	11	38	14
$1,000..	1 500	74	652	856	27	112	(D)	(D)
Vegetables, sweet corn, and melons .... farms..	36	6	64	12	3	1	99	34
$1,000..	8 271	104	5 196	(D)	(D)	(D)	4 017	1 633
Fruits, nuts, and berries .... farms..	16	163	21	17	-	1	33	45
$1,000..	1 156	10 573	(D)	545	-	(D)	2 768	4 841
Nursery and greenhouse crops .... farms..	25	4	10	26	4	1	88	9
$1,000..	6 625	(D)	(D)	1 516	(D)	(D)	11 530	693
Other crops .... farms..	9	2	30	6	1	-	10	4
$1,000..	909	(D)	1 767	(D)	(D)	-	(D)	(D)
Livestock, poultry, and their products .... farms..	327	55	358	186	10	31	98	35
$1,000..	24 482	3 379	31 858	15 842	470	2 350	4 649	916
Poultry and poultry products .... farms..	19	7	22	8	1	3	14	3
$1,000..	182	(D)	723	(D)	(D)	(D)	136	1
Dairy products .... farms..	171	20	96	85	-	20	34	7
$1,000..	14 187	(D)	(D)	9 818	-	1 816	(D)	(D)
Cattle and calves .... farms..	273	45	236	145	9	30	74	31
$1,000..	8 171	1 490	9 516	4 555	373	516	920	538
Hogs and pigs .... farms..	42	8	146	33	5	3	20	7
$1,000..	1 077	(D)	7 868	803	(D)	(D)	706	69
Sheep, lambs, and wool .... farms..	18	1	27	12	-	3	5	2
$1,000..	63	(D)	(D)	(D)	-	(D)	(D)	(D)
Other livestock and livestock products (see text) .... farms..	32	6	22	24	-	1	7	8
$1,000..	803	(D)	283	599	-	(D)	54	93

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
FARMS AND LAND IN FARMS								
Land in farms .... farms, 1987	20	195	247	177	198	181	623	468
1982	21	213	252	227	207	210	760	560
acres, 1987	9 984	56 889	81 487	86 936	74 602	71 948	193 569	192 573
1982	10 236	62 811	87 326	99 990	74 012	73 332	213 427	198 287
Average size of farm .... acres, 1987	499	292	330	491	377	398	311	411
1982	487	295	347	440	358	349	281	354
Value of land and buildings[1]								
Average per farm .... dollars, 1987	294 875	214 601	176 322	211 545	335 284	254 207	390 743	285 173
1982	158 571	304 183	258 567	223 648	504 763	324 557	477 971	296 416
Average per acre .... dollars, 1987	525	721	629	470	920	649	1 285	725
1982	314	1 024	759	529	1 433	881	1 607	866
Total cropland .... farms, 1987	18	189	241	172	193	174	610	451
1982	20	208	251	222	205	203	742	546
acres, 1987	5 051	44 173	62 874	50 315	63 832	53 983	183 527	156 677
1982	4 986	49 587	65 558	55 228	62 096	53 610	195 561	159 367
Harvested cropland .... farms, 1987	18	186	235	169	186	170	605	443
1982	18	205	247	222	205	200	741	542
acres, 1987	3 272	32 970	45 739	42 462	52 407	44 594	161 288	118 399
1982	3 215	42 741	53 717	46 609	59 682	46 781	189 740	145 194
Irrigated land .... farms, 1987	2	40	21	2	7	19	46	114
1982	-	40	13	4	7	16	36	97
acres, 1987	(D)	2 216	(D)	(D)	539	1 976	2 082	28 543
1982	-	2 468	(D)	43	756	1 195	1 714	25 529
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales (see text) $1,000, 1987	1 623	14 955	17 804	17 270	14 448	22 369	56 563	47 044
1982	1 254	17 198	21 243	16 641	17 238	22 547	59 470	54 348
Average per farm .... dollars, 1987	81 137	76 694	72 080	97 569	72 970	123 588	90 792	100 521
1982	59 698	80 743	84 298	73 309	83 275	107 366	78 250	97 050
1987 **sales** by commodity or commodity group:								
Crops, including nursery and greenhouse crops .... farms	12	160	140	63	173	80	600	368
$1,000	820	7 877	4 140	850	9 329	1 364	43 795	27 320
Grains .... farms	1	73	100	43	165	46	556	326
$1,000	(D)	1 063	1 337	527	7 265	306	26 032	10 044
Corn for grain .... farms	-	57	59	27	141	26	446	273
$1,000	-	834	713	436	2 679	240	9 813	4 622
Wheat .... farms	-	32	56	1	49	11	201	192
$1,000	-	140	126	(D)	304	(D)	1 094	1 143
Soybeans .... farms	-	2	3	1	130	-	540	77
$1,000	-	(D)	(D)	(D)	2 519	-	14 855	938
Sorghum for grain .... farms	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-
Barley .... farms	1	1	1	17	-	-	1	21
$1,000	(D)	(D)	(D)	69	-	-	(D)	90
Oats .... farms	-	27	22	7	32	16	90	106
$1,000	-	48	24	13	58	27	192	253
Other grains .... farms	-	9	37	3	86	3	9	150
$1,000	-	(D)	461	(D)	1 705	(D)	(D)	2 997
Cotton and cottonseed .... farms	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-
Tobacco .... farms	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-
Hay, silage, and field seeds .... farms	2	45	69	36	24	47	67	117
$1,000	(D)	(D)	860	289	166	638	287	(D)
Vegetables, sweet corn, and melons .... farms	2	61	12	-	9	1	78	36
$1,000	(D)	1 973	356	-	339	(D)	4 074	1 465
Fruits, nuts, and berries .... farms	1	39	12	1	2	-	20	15
$1,000	(D)	3 490	289	(D)	(D)	-	331	1 154
Nursery and greenhouse crops .... farms	3	15	3	1	2	3	47	6
$1,000	(D)	951	(D)	(D)	(D)	(D)	8 090	(D)
Other crops .... farms	8	1	4	2	15	3	40	54
$1,000	464	(D)	(D)	(D)	(D)	(D)	4 982	13 452
Livestock, poultry, and their products .... farms	13	98	205	168	79	166	184	289
$1,000	803	7 078	13 663	16 419	5 119	21 005	12 768	19 724
Poultry and poultry products .... farms	-	6	17	9	4	1	25	13
$1,000	-	(D)	53	(D)	(D)	(D)	805	(D)
Dairy products .... farms	8	57	132	129	13	130	31	159
$1,000	574	(D)	9 646	(D)	(D)	16 912	2 180	(D)
Cattle and calves .... farms	8	82	182	159	51	161	106	244
$1,000	114	1 271	2 293	2 176	3 337	3 231	6 628	3 994
Hogs and pigs .... farms	1	16	49	4	30	12	78	66
$1,000	(D)	917	1 [illegible]	(D)	1 035	671	2 761	1 412
Sheep, lambs, and wool .... farms	1	5	4	2	4	2	19	9
$1,000	(D)	(D)	(D)	(D)	3	(D)	24	16
Other livestock and livestock products (see text) .... farms	5	11	23	9	12	3	14	24
$1,000	(D)	(D)	(D)	2 062	118	(D)	370	298

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
FARMS AND LAND IN FARMS								
Land in farms ..... farms, 1987	37	196	309	170	335	129	39	174
1982	38	203	344	178	366	119	35	210
acres, 1987	12 806	63 976	82 830	42 744	106 761	55 697	20 385	69 029
1982	15 850	67 195	92 039	44 108	99 729	45 525	17 626	75 348
Average size of farm ..... acres, 1987	346	326	268	251	319	432	523	397
1982	417	331	268	248	272	383	504	359
Value of land and buildings[1]:								
Average per farm ..... dollars, 1987	218 946	329 112	226 534	401 287	345 636	304 573	151 925	236 280
1982	369 579	381 387	305 648	548 619	300 743	327 328	200 229	233 319
Average per acre ..... dollars, 1987	668	997	798	1 748	1 019	718	318	606
1982	832	1 161	1 163	2 217	1 172	780	396	656
Total cropland ..... farms, 1987	34	192	294	162	332	129	39	170
1982	38	197	338	165	361	119	35	205
acres, 1987	9 606	47 394	64 976	38 871	71 755	42 111	10 686	51 108
1982	10 406	49 690	69 288	36 464	69 383	34 662	9 523	53 341
Harvested cropland ..... farms, 1987	34	186	290	151	328	125	39	166
1982	37	195	332	155	357	116	35	202
acres, 1987	6 806	38 903	50 582	27 069	54 948	33 334	8 476	39 128
1982	8 375	44 491	58 180	29 234	54 963	28 268	6 694	40 891
Irrigated land ..... farms, 1987	2	40	41	45	53	3	-	7
1982	2	30	35	37	55	2	-	9
acres, 1987	(D)	6 025	4 364	860	3 645	(D)	-	(D)
1982	(D)	6 345	4 984	872	2 810	(D)	-	(D)
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales (see text) $1,000, 1987	2 319	25 762	30 558	21 107	34 312	11 538	1 800	15 017
1982	2 535	26 107	31 920	17 232	28 614	8 869	1 540	16 857
Average per farm ..... dollars, 1987	62 685	131 437	98 894	124 157	102 424	89 444	46 161	86 304
1982	66 706	128 608	92 790	96 808	78 182	74 526	44 000	80 269
1987 sales by commodity or commodity group:								
Crops, including nursery and greenhouse crops ..... farms	22	153	191	144	303	61	27	61
$1,000	512	14 697	12 229	18 198	22 608	1 716	418	1 093
Grains ..... farms	19	76	122	61	98	39	6	32
$1,000	357	1 820	1 726	2 738	716	894	8	249
Corn for grain ..... farms	13	70	109	52	62	29	-	15
$1,000	215	1 408	1 560	2 271	575	679	-	133
Wheat ..... farms	6	18	35	35	37	13	1	14
$1,000	(D)	78	71	184	93	92	(D)	37
Soybeans ..... farms	-	7	2	8	1	2	-	3
$1,000	-	(D)	(D)	(D)	(D)	(D)	-	(D)
Sorghum for grain ..... farms	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-
Barley ..... farms	1	4	3	-	2	2	1	-
$1,000	(D)	(D)	(D)	-	(D)	(D)	(D)	-
Oats ..... farms	7	19	40	16	12	15	5	11
$1,000	30	24	50	46	18	41	(D)	30
Other grains ..... farms	7	3	7	1	22	3	-	1
$1,000	87	(D)	25	(D)	24	(D)	-	(D)
Cotton and cottonseed ..... farms	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-
Tobacco ..... farms	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-
Hay, silage, and field seeds ..... farms	10	47	74	47	72	41	26	44
$1,000	131	(D)	642	465	(D)	407	409	509
Vegetables, sweet corn, and melons ..... farms	1	35	43	22	220	4	2	1
$1,000	(D)	3 351	6 863	304	11 408	(D)	(D)	(D)
Fruits, nuts, and berries ..... farms	1	39	28	14	155	-	1	1
$1,000	(D)	5 633	2 343	359	8 962	-	(D)	(D)
Nursery and greenhouse crops ..... farms	-	25	4	50	12	2	-	2
$1,000	-	3 229	(D)	14 331	1 011	(D)	-	(D)
Other crops ..... farms	1	2	9	-	1	2	-	2
$1,000	(D)	(D)	(D)	-	(D)	(D)	-	(D)
Livestock, poultry, and their products ..... farms	31	111	225	79	142	112	34	161
$1,000	1 808	11 065	18 329	2 909	11 704	9 822	1 383	13 924
Poultry and poultry products ..... farms	1	3	6	11	8	4	1	3
$1,000	(D)	(D)	1 215	3	(D)	(Z)	(D)	(D)
Dairy products ..... farms	17	58	152	17	48	72	17	103
$1,000	1 345	(D)	(D)	(D)	(D)	7 501	1 018	11 018
Cattle and calves ..... farms	28	92	198	45	118	107	34	155
$1,000	322	3 290	3 180	568	4 296	2 041	352	2 338
Hogs and pigs ..... farms	6	31	37	11	26	10	1	20
$1,000	49	980	1 083	367	1 695	163	(D)	486
Sheep, lambs, and wool ..... farms	-	3	6	10	4	4	1	3
$1,000	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other livestock and livestock products (see text) ..... farms	3	4	19	33	9	7	2	8
$1,000	(D)	(D)	214	629	(D)	(D)	(D)	68

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
FARMS AND LAND IN FARMS								
Land in farms ... farms, 1987	45	61	793	132	4	833	424	504
1982	41	55	853	114	6	980	529	592
acres, 1987	12 267	28 880	144 508	56 233	(D)	276 698	126 724	188 970
1982	12 116	25 434	152 333	52 807	1 432	285 483	152 858	194 357
Average size of farm ... acres, 1987	273	473	182	426	(D)	332	299	375
1982	296	462	179	463	239	291	289	328
Value of land and buildings[1]								
Average per farm ... dollars, 1987	189 200	207 081	307 822	200 090	(D)	342 500	270 763	375 543
1982	186 366	235 018	301 098	350 991	(D)	477 552	306 673	411 505
Average per acre ... dollars, 1987	694	449	1 695	506	(D)	1 037	958	1 009
1982	631	520	1 693	700	(D)	1 618	1 089	1 215
Total cropland ... farms, 1987	43	59	757	131	4	824	411	490
1982	41	53	821	114	6	973	523	582
acres, 1987	8 296	12 796	122 482	39 862	576	255 291	112 523	162 943
1982	7 195	10 650	125 626	35 572	947	257 868	136 931	165 919
Harvested cropland ... farms, 1987	42	58	736	130	4	816	397	480
1982	41	52	811	113	5	963	509	573
acres, 1987	5 172	9 308	99 287	31 372	(D)	229 116	87 354	126 013
1982	5 800	7 866	109 827	29 432	(D)	251 912	120 653	149 728
Irrigated land ... farms, 1987	1	5	229	13	-	32	21	215
1982	1	3	177	14	2	30	12	194
acres, 1987	(D)	(D)	10 264	1 013	-	1 966	291	58 685
1982	(D)	(D)	8 576	(D)	(D)	1 073	281	56 527
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales (see text) ... $1,000, 1987	2 472	2 752	180 619	10 938	(D)	61 062	34 252	44 546
1982	2 146	2 447	135 587	9 228	(D)	65 311	34 917	50 358
Average per farm ... dollars, 1987	54 928	45 123	227 767	82 866	(D)	73 304	80 784	88 385
1982	52 335	44 499	158 953	80 949	(D)	66 644	66 005	85 064
1987 sales by commodity or commodity group:								
Crops, including nursery and greenhouse crops ... farms	14	35	587	96	3	798	345	426
$1,000	75	948	77 352	5 876	(D)	47 956	17 288	26 318
Grains ... farms	3	19	278	84	-	761	294	404
$1,000	(D)	117	4 533	1 689	-	34 461	10 806	22 381
Corn for grain ... farms	2	14	234	22	-	582	217	352
$1,000	(D)	61	4 094	257	-	10 017	4 596	15 588
Wheat ... farms	-	6	73	31	-	297	61	152
$1,000	-	19	168	103	-	1 872	264	559
Soybeans ... farms	-	-	25	-	-	691	244	292
$1,000	-	-	157	-	-	18 420	5 234	5 405
Sorghum for grain ... farms	-	-	-	-	-	-	1	1
$1,000	-	-	-	-	-	-	(D)	(D)
Barley ... farms	-	1	5	17	-	3	8	1
$1,000	-	(D)	(D)	45	-	(D)	(D)	(D)
Oats ... farms	1	9	73	49	-	157	138	39
$1,000	(D)	26	86	246	-	(D)	488	(D)
Other grains ... farms	-	2	23	52	-	297	26	47
$1,000	-	(D)	(D)	1 038	-	3 857	202	767
Cotton and cottonseed ... farms	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-
Tobacco ... farms	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-
Hay, silage, and field seeds ... farms	11	26	142	33	2	80	99	109
$1,000	68	428	(D)	233	(D)	296	574	827
Vegetables, sweet corn, and melons ... farms	3	1	95	3	-	43	25	19
$1,000	(D)	(D)	7 576	(D)	-	2 065	723	1 149
Fruits, nuts, and berries ... farms	-	1	156	2	-	12	5	8
$1,000	-	(D)	16 693	(D)	-	240	(D)	(D)
Nursery and greenhouse crops ... farms	-	1	97	-	1	18	23	9
$1,000	-	(D)	47 234	-	(D)	1 393	4 088	1 758
Other crops ... farms	-	6	7	26	-	169	18	6
$1,000	-	373	(D)	3 946	-	9 502	(D)	(D)
Livestock, poultry, and their products ... farms	44	48	488	107	3	265	234	296
$1,000	2 397	1 805	103 268	5 063	(D)	13 107	16 964	18 228
Poultry and poultry products ... farms	6	1	57	7	-	23	18	32
$1,000	1	(D)	50 621	6	-	140	(D)	1 448
Dairy products ... farms	32	21	195	41	-	80	94	85
$1,000	(D)	882	22 786	(D)	-	(D)	(D)	6 000
Cattle and calves ... farms	42	47	359	105	3	201	191	192
$1,000	774	796	14 551	1 114	(D)	3 968	6 042	2 576
Hogs and pigs ... farms	6	2	145	3	-	60	44	164
$1,000	39	(D)	15 223	(D)	-	1 725	689	8 048
Sheep, lambs, and wool ... farms	4	1	5	-	-	17	8	39
$1,000	(D)	(D)	5	-	-	(D)	10	92
Other livestock and livestock products (see text) ... farms	10	1	24	3	-	23	19	37
$1,000	7	(D)	83	(D)	-	478	225	63

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
FARMS AND LAND IN FARMS								
Land in farms .... farms, 1987	972	23	572	701	582	506	127	55
1982	1 157	15	692	886	687	630	151	71
acres, 1987	384 415	(D)	200 306	297 049	149 768	162 159	15 624	16 892
1982	395 479	7 806	201 747	304 420	155 903	185 257	25 105	21 123
Average size of farm .... acres, 1987	395	(D)	350	424	257	320	123	307
1982	342	520	292	344	227	294	166	298
Value of land and buildings[1]:								
Average per farm .... dollars, 1987	299 242	147 391	276 154	425 774	263 715	400 424	367 310	178 479
1982	371 610	174 467	337 210	615 026	310 800	437 119	424 325	174 055
Average per acre .... dollars, 1987	748	328	795	977	1 084	1 260	3 144	546
1982	1 109	335	1 164	1 797	1 387	1 521	2 187	603
Total cropland .... farms, 1987	946	21	564	689	578	492	117	51
1982	1 145	15	686	877	684	621	147	67
acres, 1987	354 309	6 714	175 127	273 566	123 820	141 984	14 113	11 316
1982	355 039	5 438	172 357	275 111	125 502	154 996	22 578	15 478
Harvested cropland .... farms, 1987	936	18	562	685	572	483	114	50
1982	1 135	15	680	870	678	615	145	64
acres, 1987	283 325	4 628	147 515	231 391	92 362	113 559	11 388	8 426
1982	321 071	4 005	159 437	263 738	106 237	143 979	20 744	12 405
Irrigated land .... farms, 1987	29	1	19	28	143	55	56	4
1982	12	-	10	22	117	47	49	2
acres, 1987	1 811	(D)	1 198	2 665	23 624	4 076	687	(D)
1982	1 313	-	463	2 228	17 651	4 385	434	(D)
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales (see text) $1,000, 1987	95 236	856	36 272	73 445	67 309	45 281	16 194	2 876
1982	98 616	594	40 219	82 071	66 494	49 294	12 213	3 750
Average per farm .... dollars, 1987	97 979	37 238	63 413	104 772	115 652	89 488	127 509	52 287
1982	85 407	39 618	58 120	92 631	96 789	78 245	80 881	52 823
1987 sales by commodity or commodity group:								
Crops, including nursery and greenhouse crops .... farms	755	9	510	626	534	442	112	34
$1,000	39 277	184	18 318	51 367	51 257	18 335	15 851	590
Grains .... farms	700	4	486	595	228	380	46	25
$1,000	26 828	(D)	16 305	30 131	8 263	10 070	1 463	165
Corn for grain .... farms	567	2	336	524	200	303	29	18
$1,000	13 113	(D)	4 819	13 585	6 277	5 919	630	109
Wheat .... farms	261	1	246	321	70	283	11	10
$1,000	1 535	(D)	1 204	2 439	465	1 294	24	31
Soybeans .... farms	353	-	424	283	92	193	40	-
$1,000	6 083	-	9 139	4 193	1 443	2 587	800	-
Sorghum for grain .... farms	-	-	-	-	1	2	-	-
$1,000	-	-	-	-	(D)	(D)	-	-
Barley .... farms	60	1	13	33	3	18	-	-
$1,000	505	(D)	39	247	(D)	(D)	-	-
Oats .... farms	402	2	246	190	20	115	7	12
$1,000	1 626	(D)	756	695	23	205	9	22
Other grains .... farms	263	2	63	424	14	13	-	3
$1,000	3 966	(D)	348	8 973	39	34	-	3
Cotton and cottonseed .... farms	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-
Tobacco .... farms	-	-	-	-	-	-	-	-
$1,000	-	-	-	-	-	-	-	-
Hay, silage, and field seeds .... farms	258	4	109	99	99	168	7	19
$1,000	2 689	78	855	593	635	1 005	(D)	(D)
Vegetables, sweet corn, and melons .... farms	16	3	8	31	119	26	28	6
$1,000	451	(D)	138	1 732	9 654	2 165	921	322
Fruits, nuts, and berries .... farms	11	3	4	7	306	24	13	-
$1,000	270	15	(D)	(D)	23 970	(D)	393	-
Nursery and greenhouse crops .... farms	15	-	11	3	32	27	60	2
$1,000	2 830	-	574	(D)	8 714	3 362	13 030	(D)
Other crops .... farms	87	1	11	289	5	6	3	-
$1,000	6 207	(D)	(D)	18 466	21	(D)	(D)	-
Livestock, poultry, and their products .... farms	644	21	295	281	208	349	24	44
$1,000	55 959	672	17 956	22 078	16 053	26 946	343	2 285
Poultry and poultry products .... farms	15	-	15	22	16	23	6	1
$1,000	(D)	-	289	4 263	1 104	201	(D)	(D)
Dairy products .... farms	421	2	121	105	39	103	1	19
$1,000	42 114	(D)	11 780	10 754	(D)	(D)	(D)	(D)
Cattle and calves .... farms	574	18	231	220	126	249	6	35
$1,000	11 380	434	3 373	3 660	2 133	8 573	(D)	410
Hogs and pigs .... farms	88	7	79	77	105	100	5	7
$1,000	2 124	(D)	2 229	3 252	9 605	4 486	(D)	146
Sheep, lambs, and wool .... farms	4	-	25	11	9	88	2	-
$1,000	(D)	-	30	55	(D)	968	(D)	-
Other livestock and livestock products (see text) .... farms	21	2	20	14	14	35	12	6
$1,000	194	(D)	255	94	259	(D)	187	204

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION							
Cash grains (011)	7 903	3	-	93	14	4	58
Field crops, except cash grains (013)	1 499	7	1	36	16	11	31
Cotton (0131)	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	1 499	7	1	36	16	11	31
Vegetables and melons (016)	991	1	-	49	3	-	12
Fruits and tree nuts (017)	1 724	-	2	97	4	30	2
Horticultural specialties (018)	900	-	-	44	-	6	1
General farms, primarily crop (019)	637	1	-	17	2	4	15
Livestock, except dairy, poultry, and animal specialties (021)	4 516	38	5	239	37	19	18
Beef cattle, except feedlots (0212)	1 053	33	5	38	25	6	2
Dairy farms (024)	5 083	14	15	205	54	23	48
Poultry and eggs (025)	204	1	-	22	-	10	1
Animal specialties (027)	410	1	2	14	-	12	-
General farms, primarily livestock and animal specialties (029)	313	-	-	4	1	1	-
FARMS BY SIZE							
1 to 9 acres, 1987	744	3	-	48	1	7	1
1982	547	-	-	41	-	4	-
10 to 49 acres, 1987	1 694	1	2	96	3	8	7
1982	1 712	-	-	108	5	13	6
50 to 69 acres, 1987	767	1	-	43	-	8	3
1982	981	4	-	55	1	8	8
70 to 99 acres, 1987	1 911	7	2	90	7	8	11
1982	2 573	11	-	115	7	6	9
100 to 139 acres, 1987	2 478	7	1	90	10	16	11
1982	3 358	4	5	135	12	20	24
140 to 179 acres, 1987	2 440	4	3	82	11	8	13
1982	3 159	6	1	108	22	9	21
180 to 219 acres, 1987	1 984	7	-	64	19	10	16
1982	2 680	7	5	75	12	12	18
220 to 259 acres, 1987	1 724	5	2	62	15	9	21
1982	2 181	8	3	53	11	11	21
260 to 499 acres, 1987	5 541	18	5	152	41	24	56
1982	6 613	22	6	180	46	23	66
500 to 999 acres, 1987	3 559	10	9	69	20	13	35
1982	3 546	8	11	75	25	18	23
1,000 to 1,999 acres, 1987	1 118	2	1	20	3	8	11
1982	908	4	-	14	2	11	14
2,000 acres or more, 1987	220	1	-	4	1	1	1
1982	174	-	-	3	-	1	2
TENURE OF OPERATOR							
Full owners, farms, 1987	9 853	28	6	392	50	57	68
1982	11 938	31	12	458	62	75	74
acres, 1987	1 900 101	5 536	1 470	47 436	11 054	10 057	19 403
1982	2 331 380	6 904	3 851	53 776	15 357	16 633	18 621
Part owners, farms, 1987	12 606	35	19	392	73	60	96
1982	14 490	38	19	455	74	53	122
acres, 1987	5 853 682	14 905	9 216	149 655	32 374	28 102	48 060
1982	5 930 973	15 289	7 824	155 207	26 633	28 124	53 446
Tenants, farms, 1987	1 721	3	-	36	8	3	22
1982	2 004	5	-	49	7	8	16
acres, 1987	476 670	970	-	6 228	1 960	601	8 490
1982	452 324	1 451	-	9 936	1 809	2 270	4 352
OPERATOR CHARACTERISTICS							
Operators by place of residence:							
On farm operated, 1987	20 346	55	22	676	115	105	161
1982	23 630	60	30	813	118	112	177
Not on farm operated, 1987	2 645	8	1	94	9	13	17
1982	2 806	4	1	93	14	15	19
Not reported, 1987	1 189	3	2	50	7	2	8
1982	1 996	10	-	56	11	9	16
Operators by principal occupation:							
Farming, 1987	17 769	43	16	564	105	100	150
1982	21 328	61	28	703	101	108	176
Other, 1987	6 411	23	9	256	26	20	36
1982	7 104	13	3	259	42	28	36
Operators by days of work off farm:							
None, 1987	12 362	32	12	399	76	70	103
1982	14 316	38	23	503	60	73	120
Any, 1987	10 425	32	13	381	47	43	70
1982	11 863	33	6	384	76	54	74
1 to 49 days, 1987	1 714	6	4	63	10	5	16
1982	2 185	9	1	59	19	11	13
50 to 99 days, 1987	743	5	-	26	8	8	7
1982	813	3	1	28	5	5	9
100 to 149 days, 1987	778	3	1	23	4	-	6
1982	916	2	1	26	7	8	7

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION							
Cash grains (011)	-	109	244	-	145	292	205
Field crops, except cash grains (013)	-	8	183	1	9	6	14
Cotton (0131)	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	-	8	183	1	9	6	14
Vegetables and melons (016)	-	2	60	1	69	3	4
Fruits and tree nuts (017)	-	2	1	32	293	2	4
Horticultural specialties (018)	-	3	10	2	36	8	8
General farms, primarily crop (019)	-	5	18	1	25	6	7
Livestock, except dairy, poultry, and animal specialties (021)	4	76	16	11	72	118	130
Beef cattle, except feedlots (0212)	4	22	5	2	5	14	23
Dairy farms (024)	14	112	22	2	29	68	87
Poultry and eggs (025)	-	4	-	-	2	-	6
Animal specialties (027)	-	6	9	2	8	6	3
General farms, primarily livestock and animal specialties (029)	2	3	2	1	4	9	10
FARMS BY SIZE							
1 to 9 acres, 1987	-	5	11	2	15	15	4
1982	-	11	7	-	7	6	7
10 to 49 acres, 1987	-	15	43	3	144	17	18
1982	-	21	49	2	158	15	21
50 to 69 acres, 1987	-	1	35	3	61	14	11
1982	-	13	35	7	64	8	21
70 to 99 acres, 1987	-	24	82	5	72	36	20
1982	2	43	97	8	101	68	44
100 to 139 acres, 1987	-	40	75	5	91	54	47
1982	-	56	104	3	94	87	62
140 to 179 acres, 1987	-	31	58	3	73	52	40
1982	1	47	79	7	74	93	82
180 to 219 acres, 1987	4	23	45	5	41	47	45
1982	1	32	51	8	47	48	60
220 to 259 acres, 1987	-	37	31	2	39	32	36
1982	1	44	43	3	45	43	51
260 to 499 acres, 1987	12	76	99	15	86	122	127
1982	7	105	113	10	103	148	172
500 to 999 acres, 1987	3	60	61	9	49	99	100
1982	3	72	58	9	49	97	92
1,000 to 1,999 acres, 1987	1	15	21	1	16	26	27
1982	1	9	16	1	15	21	22
2,000 acres or more, 1987	-	3	4	-	3	4	3
1982	-	2	1	-	-	4	5
TENURE OF OPERATOR							
Full owners, farms, 1987	7	138	168	27	346	234	192
1982	7	205	217	29	383	289	274
acres, 1987	2 116	34 734	23 305	(D)	40 078	53 686	48 118
1982	2 833	44 340	31 279	6 259	42 797	63 774	59 971
Part owners, farms, 1987	13	177	336	25	294	230	255
1982	9	233	365	26	328	304	309
acres, 1987	6 278	80 398	124 275	10 264	97 030	124 787	134 570
1982	4 058	90 530	118 453	9 123	99 602	134 526	146 246
Tenants, farms, 1987	-	15	61	1	52	54	31
1982	-	17	71	3	46	45	56
acres, 1987	-	3 990	10 034	(D)	10 702	12 405	9 273
1982	-	3 759	9 532	280	7 421	9 997	14 726
OPERATOR CHARACTERISTICS							
Operators by place of residence:							
On farm operated, 1987	19	294	449	45	596	441	409
1982	15	397	498	43	650	512	535
Not on farm operated, 1987	1	25	79	6	70	51	44
1982	-	30	89	9	72	56	64
Not reported, 1987	-	11	37	2	26	26	25
1982	1	28	66	6	35	70	40
Operators by principal occupation:							
Farming, 1987	18	252	398	43	527	360	345
1982	13	319	465	46	586	450	455
Other, 1987	2	78	167	10	165	158	133
1982	3	136	188	12	171	186	184
Operators by days of work off farm:							
None, 1987	11	178	264	24	402	223	232
1982	9	210	290	29	407	292	282
Any, 1987	9	127	266	27	260	263	220
1982	5	214	302	24	305	292	312
1 to 49 days, 1987	1	23	38	9	44	47	34
1982	1	36	48	5	68	47	52
50 to 99 days, 1987	-	4	13	3	25	17	13
1982	-	16	16	2	25	12	27
100 to 149 days, 1987	1	12	23	4	13	18	20
1982	1	13	33	3	28	26	25

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION							
Cash grains (011)	150	3	3	2	1	329	-
Field crops, except cash grains (013)	11	1	3	31	2	24	-
Cotton (0131)	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	11	1	3	31	2	24	-
Vegetables and melons (016)	17	1	2	-	-	6	-
Fruits and tree nuts (017)	18	4	-	3	-	7	-
Horticultural specialties (018)	6	3	3	-	1	12	1
General farms, primarily crop (019)	8	1	-	2	2	14	-
Livestock, except dairy, poultry, and animal specialties (021)	181	18	24	37	59	128	3
Beef cattle, except feedlots (0212)	6	10	20	25	37	12	1
Dairy farms (024)	31	24	14	45	43	162	-
Poultry and eggs (025)	1	3	-	1	-	1	-
Animal specialties (027)	5	2	2	1	4	4	-
General farms, primarily livestock and animal specialties (029)	8	1	1	3	2	9	-
FARMS BY SIZE							
1 to 9 acres 1987	14	3	1	-	2	12	-
1982	7	-	-	1	3	-	-
10 to 49 acres 1987	21	6	-	1	4	19	1
1982	16	6	1	2	3	23	-
50 to 69 acres 1987	19	1	3	-	2	11	2
1982	22	3	1	-	2	16	1
70 to 99 acres 1987	32	5	2	1	6	69	1
1982	47	1	2	3	9	84	-
100 to 139 acres 1987	40	2	1	9	9	83	-
1982	57	2	5	5	6	115	-
140 to 179 acres 1987	39	1	4	7	14	114	-
1982	54	-	3	8	18	133	1
180 to 219 acres 1987	36	8	4	8	13	78	-
1982	59	4	6	9	6	90	-
220 to 259 acres 1987	37	2	2	7	10	51	-
1982	44	8	1	5	12	62	-
260 to 499 acres 1987	92	18	13	55	25	154	-
1982	126	28	15	52	30	188	-
500 to 999 acres 1987	72	12	17	31	23	74	-
1982	77	10	16	39	26	73	-
1,000 to 1,999 acres 1987	30	3	4	5	4	24	-
1982	17	4	3	5	4	16	-
2,000 acres or more 1987	4	-	1	1	2	7	-
1982	2	-	-	-	3	5	-
TENURE OF OPERATOR							
Full owners farms, 1987	190	30	22	51	51	314	4
1982	243	20	17	56	53	390	1
acres, 1987	49 532	7 687	7 027	16 866	13 939	56 661	(D)
1982	57 687	(D)	5 069	(D)	17 581	71 587	(D)
Part owners farms, 1987	221	31	30	68	56	333	-
1982	250	44	36	72	61	357	1
acres, 1987	111 373	14 210	18 828	34 297	31 757	148 898	-
1982	106 470	18 020	19 100	40 407	29 957	139 599	(D)
Tenants farms, 1987	25	-	-	6	7	49	-
1982	35	2	-	1	8	58	-
acres, 1987	6 861	-	-	2 370	1 790	10 719	-
1982	5 838	(D)	-	(D)	3 171	13 213	-
OPERATOR CHARACTERISTICS							
Operators by place of residence:							
On farm operated 1987	379	50	42	109	107	589	4
1982	440	61	49	119	106	665	2
Not on farm operated 1987	39	9	5	11	4	70	-
1982	63	3	2	8	6	84	-
Not reported 1987	18	2	5	5	3	37	-
1982	25	2	2	2	10	56	-
Operators by principal occupation:							
Farming 1987	339	45	34	91	88	453	4
1982	399	57	39	105	96	529	1
Other 1987	97	16	18	34	26	243	-
1982	129	9	14	24	26	276	1
Operators by days of work off farm:							
None 1987	241	28	27	58	61	317	3
1982	251	41	29	61	69	358	1
Any 1987	168	29	22	63	45	332	1
1982	237	23	24	61	47	380	1
1 to 49 days 1987	33	5	2	14	7	40	-
1982	48	5	3	18	9	45	-
50 to 99 days 1987	7	2	-	1	3	19	-
1982	18	3	2	4	4	18	-
100 to 149 days 1987	13	1	6	3	2	9	1
1982	16	2	2	6	3	25	-

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION							
Cash grains (011)	7	-	278	1	146	21	-
Field crops, except cash grains (013)	17	17	13	7	7	11	-
Cotton (0131)	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	17	17	13	7	7	11	-
Vegetables and melons (016)	-	2	15	4	9	1	-
Fruits and tree nuts (017)	3	-	2	1	14	-	-
Horticultural specialties (018)	1	3	12	6	17	1	1
General farms, primarily crop (019)	2	-	9	1	3	2	-
Livestock, except dairy, poultry, and animal specialties (021)	23	8	94	19	57	53	-
Beef cattle, except feedlots (0212)	18	3	27	14	7	17	-
Dairy farms (024)	56	18	98	20	27	44	6
Poultry and eggs (025)	-	-	2	-	-	-	-
Animal specialties (027)	6	2	4	-	12	2	2
General farms, primarily livestock and animal specialties (029)	-	-	4	3	3	4	-
FARMS BY SIZE							
1 to 9 acres, 1987	1	-	11	2	6	3	1
1982	4	2	6	3	5	3	-
10 to 49 acres, 1987	2	2	16	6	30	3	1
1982	5	-	23	2	25	8	2
50 to 69 acres, 1987	2	-	14	-	10	4	-
1982	4	-	19	-	17	3	-
70 to 99 acres, 1987	5	-	26	3	14	20	1
1982	3	1	63	1	31	13	1
100 to 139 acres, 1987	9	-	59	2	34	16	1
1982	7	1	88	5	64	16	1
140 to 179 acres, 1987	8	5	45	3	33	17	2
1982	16	1	73	6	41	23	1
180 to 219 acres, 1987	8	2	63	5	23	9	2
1982	16	5	86	6	38	12	5
220 to 259 acres, 1987	7	7	42	3	26	15	1
1982	9	5	40	6	26	12	2
260 to 499 acres, 1987	40	21	147	20	54	29	-
1982	33	27	149	24	90	40	2
500 to 999 acres, 1987	26	11	76	13	36	20	-
1982	28	10	89	6	33	23	-
1,000 to 1,999 acres, 1987	5	2	29	4	23	3	-
1982	5	2	25	2	17	3	1
2,000 acres or more, 1987	2	-	3	1	6	-	-
1982	1	-	2	1	7	-	-
TENURE OF OPERATOR							
Full owners, farms, 1987	54	18	206	24	99	58	7
1982	59	19	273	23	113	75	7
acres, 1987	18 650	(D)	43 719	(D)	19 324	10 719	(D)
1982	(D)	5 132	52 892	5 643	24 760	14 683	(D)
Part owners, farms, 1987	58	29	295	37	170	76	2
1982	71	31	338	32	246	77	6
acres, 1987	31 086	15 731	134 104	17 717	77 418	26 686	(D)
1982	31 621	15 365	140 367	15 310	95 727	28 177	2 842
Tenants, farms, 1987	3	3	30	1	26	5	-
1982	1	4	52	7	35	4	-
acres, 1987	311	(D)	10 856	(D)	19 717	1 579	-
1982	(D)	1 585	10 160	1 573	8 579	625	-
OPERATOR CHARACTERISTICS							
Operators by place of residence:							
On farm operated, 1987	106	44	463	51	250	126	6
1982	115	50	583	54	326	131	12
Not on farm operated, 1987	6	2	51	7	26	6	1
1982	8	3	43	5	46	16	2
Not reported, 1987	3	4	17	4	17	7	-
1982	8	1	37	3	20	9	1
Operators by principal occupation:							
Farming, 1987	99	46	357	50	193	109	7
1982	110	47	450	50	259	111	13
Other, 1987	16	4	174	12	102	30	2
1982	21	7	213	12	135	45	2
Operators by days of work off farm:							
None, 1987	68	33	238	33	146	73	5
1982	66	33	280	39	173	68	7
Any, 1987	39	14	260	24	137	53	2
1982	50	19	336	16	195	71	6
1 to 49 days, 1987	10	5	36	5	11	13	-
1982	11	8	55	3	23	18	1
50 to 99 days, 1987	2	1	22	4	7	3	-
1982	1	3	28	2	11	11	2
100 to 149 days, 1987	1	2	16	3	8	5	-
1982	6	-	23	3	6	5	1

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION								
Cash grains (011)	8	327	256	1	429	152	165	3
Field crops, except cash grains (013)	5	45	13	6	92	10	14	10
Cotton (0131)	-	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	5	45	13	6	92	10	14	10
Vegetables and melons (016)	13	22	1	1	1	10	10	1
Fruits and tree nuts (017)	120	2	2	2	4	4	24	3
Horticultural specialties (018)	5	4	8	3	2	14	9	-
General farms, primarily crop (019)	4	15	8	-	65	11	16	3
Livestock, except dairy, poultry, and animal specialties (021)	38	88	135	6	163	88	132	26
Beef cattle, except feedlots (0212)	14	11	8	6	18	16	23	16
Dairy farms (024)	19	101	105	16	244	99	161	27
Poultry and eggs (025)	-	6	2	1	23	3	3	-
Animal specialties (027)	5	3	5	2	4	5	1	2
General farms, primarily livestock and animal specialties (029)	1	7	10	-	34	7	11	-
FARMS BY SIZE								
1 to 9 acres, 1987	5	13	9	1	46	11	16	1
1982	4	17	10	-	36	8	7	-
10 to 49 acres, 1987	24	19	24	2	27	19	10	4
1982	22	22	20	2	27	25	12	2
50 to 69 acres, 1987	17	9	16	-	14	7	15	-
1982	22	22	24	-	21	16	25	2
70 to 99 acres, 1987	38	42	35	4	66	27	38	5
1982	30	62	56	-	116	42	63	3
100 to 139 acres, 1987	30	58	49	5	105	26	61	5
1982	26	95	97	3	137	59	74	6
140 to 179 acres, 1987	20	60	61	1	113	42	56	3
1982	23	79	72	2	157	63	75	9
180 to 219 acres, 1987	13	56	48	2	90	35	46	7
1982	21	63	65	3	129	34	73	9
220 to 259 acres, 1987	12	56	37	3	89	23	42	10
1982	9	56	54	8	114	44	68	3
260 to 499 acres, 1987	34	150	146	12	263	111	141	22
1982	34	213	166	21	313	109	149	26
500 to 999 acres, 1987	19	102	84	6	173	73	93	15
1982	18	124	98	4	158	73	80	13
1,000 to 1,999 acres, 1987	6	46	31	1	65	16	19	2
1982	9	33	27	1	51	20	16	1
2,000 acres or more, 1987	2	9	5	1	10	13	11	1
1982	-	2	1	-	7	11	6	2
TENURE OF OPERATOR								
Full owners, farms, 1987	140	218	208	13	366	163	230	28
1982	134	291	283	17	543	199	314	28
acres, 1987	27 176	48 153	45 681	2 726	71 931	34 605	52 183	13 202
1982	23 335	59 768	60 801	(D)	111 913	44 959	63 051	(D)
Part owners, farms, 1987	61	344	307	25	566	221	293	43
1982	74	428	348	26	603	274	303	48
acres, 1987	25 209	192 997	146 713	11 526	295 058	134 [illegible]	149 757	17 803
1982	26 136	189 476	145 614	10 019	269 523	139 235	137 699	30 062
Tenants, farms, 1987	17	58	32	-	129	19	23	4
1982	10	69	59	1	120	31	31	2
acres, 1987	2 379	14 249	8 548	-	35 171	7 009	6 269	738
1982	3 113	15 225	16 792	(D)	28 843	6 138	6 748	(D)
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated, 1987	170	512	448	35	864	345	482	60
1982	185	659	578	40	979	412	565	63
Not on farm operated, 1987	40	72	56	2	121	27	37	10
1982	18	69	51	-	138	53	42	8
Not reported, 1987	8	36	39	1	76	31	27	5
1982	15	60	61	4	149	39	41	5
Operators by principal occupation:								
Farming, 1987	165	481	361	28	911	298	403	50
1982	174	613	482	35	1 128	365	471	58
Other, 1987	53	139	184	10	150	105	143	25
1982	44	175	208	9	138	139	177	18
Operators by days of work off farm:								
None, 1987	96	311	237	20	622	216	292	37
1982	115	399	278	28	753	244	335	38
Any, 1987	109	268	276	18	344	165	229	34
1982	89	318	347	14	357	219	277	34
1 to 49 days, 1987	14	50	43	4	69	22	39	7
1982	16	64	64	6	103	40	44	9
50 to 99 days, 1987	19	23	27	1	33	13	12	2
1982	5	29	18	1	39	9	15	1
100 to 149 days, 1987	17	26	15	1	45	4	18	2
1982	16	20	19	1	39	11	19	4

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION								
Cash grains (011)	-	153	110	150	1	69	-	1
Field crops, except cash grains (013)	5	25	19	11	4	36	-	2
Cotton (0131)	-	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	5	25	19	11	4	36	-	2
Vegetables and melons (016)	-	5	13	11	1	34	-	-
Fruits and tree nuts (017)	-	1	10	25	-	114	-	-
Horticultural specialties (018)	-	2	14	71	1	52	-	-
General farms, primarily crop (019)	-	7	20	7	-	19	-	-
Livestock, except dairy, poultry, and animal specialties (021)	9	105	129	70	6	104	-	11
Beef cattle, except feedlots (0212)	7	18	15	13	1	29	-	6
Dairy farms (024)	10	137	68	29	9	146	-	7
Poultry and eggs (025)	-	1	-	7	-	-	-	2
Animal specialties (027)	1	8	12	10	1	28	-	2
General farms, primarily livestock and animal specialties (029)	-	10	8	1	-	10	-	-
FARMS BY SIZE								
1 to 9 acres, 1987	-	11	14	47	-	36	-	-
1982	-	2	4	38	-	26	-	-
10 to 49 acres, 1987	1	20	26	45	-	79	-	3
1982	-	9	20	51	1	68	-	1
50 to 69 acres, 1987	-	3	11	17	-	30	-	-
1982	-	7	6	9	-	43	-	2
70 to 99 acres, 1987	1	26	23	26	4	46	-	4
1982	-	45	38	28	1	63	-	2
100 to 139 acres, 1987	-	45	38	24	-	67	-	2
1982	1	56	79	49	-	88	-	3
140 to 179 acres, 1987	1	50	34	34	2	64	-	2
1982	2	54	63	41	4	81	-	-
180 to 219 acres, 1987	2	43	28	26	2	49	-	1
1982	4	63	49	36	1	68	-	5
220 to 259 acres, 1987	-	26	29	19	3	31	-	1
1982	-	38	34	29	6	61	-	3
260 to 499 acres, 1987	9	138	102	67	7	121	-	8
1982	11	148	114	85	12	133	-	10
500 to 999 acres, 1987	6	74	66	54	4	62	-	3
1982	9	66	60	54	6	62	-	4
1,000 to 1,999 acres, 1987	5	18	24	26	1	27	-	1
1982	6	17	23	20	-	20	-	-
2,000 acres or more, 1987	-	-	8	7	-	-	-	-
1982	-	-	9	8	-	3	-	-
TENURE OF OPERATOR								
Full owners, farms, 1987	4	181	157	195	11	265	-	12
1982	12	213	210	226	15	316	-	13
acres, 1987	1 840	36 326	31 600	32 328	3 191	39 650	-	(D)
1982	(D)	44 110	45 041	43 757	4 748	52 368	-	(D)
Part owners, farms, 1987	18	245	218	174	12	309	-	11
1982	19	269	262	200	16	366	-	16
acres, 1987	11 874	111 065	125 214	97 951	4 824	115 497	-	5 417
1982	12 779	109 566	130 803	35 341	6 010	120 832	-	6 243
Tenants, farms, 1987	3	28	26	23	-	38	-	2
1982	2	23	27	22	-	34	-	1
acres, 1987	1 238	5 314	5 621	7 339	-	6 542	-	(D)
1982	(D)	5 305	7 973	7 654	-	5 869	-	(D)
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated, 1987	20	360	337	299	20	524	-	24
1982	27	421	429	351	30	622	-	29
Not on farm operated, 1987	3	39	48	66	1	60	-	1
1982	3	33	43	66	1	55	-	1
Not reported, 1987	2	35	18	27	2	28	-	-
1982	3	51	27	31	-	39	-	-
Operators by principal occupation:								
Farming, 1987	22	339	270	286	20	436	-	21
1982	21	382	348	313	19	530	-	24
Other, 1987	3	115	133	106	3	176	-	4
1982	12	123	151	135	12	186	-	6
Operators by days of work off farm:								
None, 1987	10	244	182	204	11	318	-	13
1982	17	263	224	217	17	375	-	18
Any, 1987	10	184	192	164	8	255	-	12
1982	14	197	237	196	13	293	-	12
1 to 49 days, 1987	1	32	21	24	-	33	-	4
1982	2	26	50	25	4	43	-	4
50 to 99 days, 1987	-	10	10	14	2	19	-	2
1982	-	15	15	13	-	14	-	-
100 to 149 days, 1987	2	11	20	13	-	15	-	1
1982	-	16	20	14	-	23	-	3

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item		Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION									
Cash grains (011)		99	3	508	69	-	-	102	-
Field crops, except cash grains (013)		25	2	11	24	2	1	7	3
Cotton (0131)		-	-	-	-	-	-	-	-
Tobacco (0132)		-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		25	2	11	24	2	1	7	3
Vegetables and melons (016)		20	2	19	5	1	1	58	17
Fruits and tree nuts (017)		14	152	9	8	-	-	20	30
Horticultural specialties (018)		19	2	7	25	3	1	71	7
General farms, primarily crop (019)		16	2	25	13	-	-	10	2
Livestock, except dairy, poultry, and animal specialties (021)		75	17	140	36	9	10	21	18
Beef cattle, except feedlots (0212)		8	4	19	10	5	8	2	4
Dairy farms (024)		156	15	87	81	-	19	29	5
Poultry and eggs (025)		2	2	3	2	-	-	2	-
Animal specialties (027)		17	2	4	15	-	1	4	4
General farms, primarily livestock and animal specialties (029)		8	4	6	3	-	-	2	1
FARMS BY SIZE									
1 to 9 acres	1987	17	3	20	12	1	1	25	2
	1982	7	2	16	10	-	-	16	2
10 to 49 acres	1987	25	9	25	24	-	1	63	10
	1982	34	12	35	13	-	2	71	10
50 to 69 acres	1987	14	5	27	16	-	-	21	1
	1982	10	14	31	20	-	-	27	1
70 to 99 acres	1987	29	26	54	14	-	-	45	6
	1982	39	26	84	21	-	1	45	7
100 to 139 acres	1987	31	25	103	24	2	1	25	5
	1982	58	27	125	38	1	-	46	11
140 to 179 acres	1987	56	35	90	28	-	3	36	9
	1982	75	29	99	29	-	1	46	13
180 to 219 acres	1987	30	27	77	22	-	1	24	7
	1982	48	32	82	28	-	1	29	6
220 to 259 acres	1987	35	14	51	18	-	-	12	6
	1982	49	17	63	20	1	1	26	5
260 to 499 acres	1987	120	39	149	57	7	14	44	28
	1982	141	41	214	69	5	23	57	26
500 to 999 acres	1987	65	14	159	46	3	9	23	9
	1982	54	20	151	54	3	8	26	7
1,000 to 1,999 acres	1987	20	6	59	19	2	2	7	4
	1982	23	2	43	16	2	3	1	5
2,000 acres or more	1987	9	-	5	1	-	1	1	-
	1982	6	2	13	1	-	1	1	-
TENURE OF OPERATOR									
Full owners	farms, 1987	158	135	263	108	5	8	131	42
	1982	204	139	318	126	4	18	143	48
	acres, 1987	32 992	27 073	44 491	23 381	926	4 393	12 123	12 260
	1982	39 197	25 634	62 371	28 330	2 076	(D)	13 169	12 213
Part owners	farms, 1987	262	62	465	150	10	22	156	39
	1982	300	74	542	175	8	22	188	39
	acres, 1987	126 694	22 431	242 197	66 442	6 679	11 899	45 623	14 816
	1982	125 617	26 689	260 052	71 354	4 726	13 003	48 893	14 284
Tenants	farms, 1987	31	6	91	23	-	3	39	6
	1982	40	11	96	18	-	1	60	6
	acres, 1987	8 270	1 185	25 662	7 384	-	937	7 036	467
	1982	12 192	2 277	19 070	6 072	-	(D)	10 937	1 003
OPERATOR CHARACTERISTICS									
Operators by place of residence:									
On farm operated	1987	385	149	670	238	14	31	258	69
	1982	467	173	784	267	12	38	299	76
Not on farm operated	1987	39	46	117	32	-	1	51	15
	1982	51	42	106	30	-	1	59	11
Not reported	1987	27	8	32	11	1	1	17	3
	1982	26	9	66	22	-	2	33	6
Operators by principal occupation:									
Farming	1987	348	146	554	198	11	27	234	67
	1982	412	169	682	237	10	38	325	80
Other	1987	103	57	265	83	4	6	92	20
	1982	132	55	274	82	2	3	66	13
Operators by days of work off farm:									
None	1987	256	98	356	136	6	16	190	48
	1982	295	103	409	168	3	29	219	54
Any	1987	170	96	421	130	8	15	118	36
	1982	207	116	465	123	8	8	125	34
1 to 49 days	1987	19	23	64	26	3	5	12	8
	1982	29	20	90	30	6	3	21	14
50 to 99 days	1987	8	8	26	4	-	2	5	-
	1982	17	10	22	3	-	-	7	2
100 to 149 days	1987	8	8	35	14	1	-	8	2
	1982	19	14	49	13	-	-	10	-

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION								
Cash grains (011)	-	11	11	1	130	2	434	141
Field crops, except cash grains (013)	4	9	31	13	9	21	10	60
Cotton (0131)	-	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	4	9	31	13	9	21	10	60
Vegetables and melons (016)	-	41	7	-	1	-	38	7
Fruits and tree nuts (017)	-	35	4	-	2	-	5	14
Horticultural specialties (018)	3	15	3	1	2	3	37	5
General farms, primarily crop (019)	1	3	5	-	2	-	10	14
Livestock, except dairy, poultry, and animal specialties (021)	1	21	56	31	32	26	54	70
Beef cattle, except feedlots (0212)	-	3	20	23	6	18	3	14
Dairy farms (024)	7	53	120	123	9	125	21	141
Poultry and eggs (025)	-	-	2	-	-	-	3	2
Animal specialties (027)	4	2	6	7	6	2	6	8
General farms, primarily livestock and animal specialties (029)	-	5	2	1	3	2	5	6
FARMS BY SIZE								
1 to 9 acres, 1987	3	2	5	1	3	7	19	15
1982	1	4	1	-	2	4	14	8
10 to 49 acres, 1987	1	16	10	4	16	2	46	21
1982	1	15	6	3	9	6	50	23
50 to 69 acres, 1987	1	9	1	2	4	6	22	4
1982	-	6	4	1	5	5	38	13
70 to 99 acres, 1987	-	21	19	2	22	8	66	34
1982	2	16	16	6	20	6	98	20
100 to 139 acres, 1987	3	18	22	7	26	10	88	36
1982	2	19	15	7	28	16	107	60
140 to 179 acres, 1987	-	19	21	15	13	4	53	35
1982	-	20	24	19	20	18	76	63
180 to 219 acres, 1987	-	17	25	8	10	14	47	28
1982	-	25	23	16	22	15	69	53
220 to 259 acres, 1987	-	18	19	7	14	16	50	42
1982	-	23	28	17	15	20	63	57
260 to 499 acres, 1987	6	38	74	60	40	69	127	111
1982	9	50	87	84	41	78	148	139
500 to 999 acres, 1987	2	31	44	54	33	34	69	106
1982	3	28	41	64	31	36	67	96
1,000 to 1,999 acres, 1987	4	6	7	17	15	10	29	34
1982	3	7	6	10	12	6	26	25
2,000 acres or more, 1987	-	-	-	-	2	1	5	2
1982	-	-	1	-	2	-	4	3
TENURE OF OPERATOR								
Full owners, farms, 1987	8	94	106	53	74	64	183	177
1982	10	89	103	80	67	96	225	217
acres, 1987	(D)	19 520	22 285	15 726	16 499	18 339	21 849	43 601
1982	1 700	16 363	25 194	27 482	15 478	24 424	34 016	49 191
Part owners, farms, 1987	9	90	128	120	110	109	375	266
1982	11	115	132	143	132	108	434	311
acres, 1987	7 155	35 827	55 123	70 322	54 714	52 192	155 396	137 588
1982	8 538	44 909	56 873	71 088	56 094	47 855	159 918	141 258
Tenants, farms, 1987	3	11	13	4	14	8	65	25
1982	-	9	17	4	8	6	101	32
acres, 1987	(D)	1 542	4 079	686	3 389	1 417	16 324	11 384
1982	-	1 539	5 259	1 420	2 440	1 063	19 493	7 838
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated, 1987	14	170	225	165	176	150	510	381
1982	20	189	222	202	177	198	605	468
Not on farm operated, 1987	5	20	13	5	13	21	91	55
1982	-	14	19	12	12	7	101	61
Not reported, 1987	1	5	9	7	9	10	22	32
1982	1	10	11	13	18	5	54	31
Operators by principal occupation:								
Farming, 1987	14	151	207	159	117	163	400	371
1982	18	178	196	201	128	199	526	458
Other, 1987	6	44	40	18	81	18	223	97
1982	3	35	56	26	79	11	234	102
Operators by days of work off farm:								
None, 1987	12	97	136	118	84	129	265	271
1982	15	118	141	147	77	140	331	324
Any, 1987	7	86	100	45	107	42	332	170
1982	4	78	99	60	111	56	369	191
1 to 49 days, 1987	3	20	27	10	10	14	41	28
1982	1	17	27	14	13	28	53	44
50 to 99 days, 1987	-	8	7	2	6	3	28	13
1982	2	7	5	12	11	4	20	9
100 to 149 days, 1987	-	8	7	7	9	5	25	20
1982	-	8	8	4	4	4	27	13

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION								
Cash grains (011)	6	10	22	28	2	6	-	4
Field crops, except cash grains (013)	1	13	22	15	8	8	7	18
Cotton (0131)	-	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-	-
Sugarcane and sugar beets; irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	1	13	22	15	8	8	7	18
Vegetables and melons (016)	1	19	29	7	135	1	-	-
Fruits and tree nuts (017)	1	35	24	12	81	-	-	1
Horticultural specialties (018)	-	21	4	48	4	2	-	2
General farms, primarily crop (019)	1	8	6	1	12	4	-	1
Livestock, except dairy, poultry, and animal specialties (021)	5	39	47	19	44	38	15	48
Beef cattle, except feedlots (0212)	6	7	14	4	9	22	12	31
Dairy farms (024)	16	49	141	16	37	66	17	96
Poultry and eggs (025)	-	-	5	-	2	-	-	-
Animal specialties (027)	3	2	5	22	1	3	-	1
General farms, primarily livestock and animal specialties (029)	-	-	4	2	9	1	-	3
FARMS BY SIZE								
1 to 9 acres 1987	1	5	9	22	-	-	-	1
1982	-	7	4	21	3	1	-	4
10 to 49 acres 1987	5	33	20	44	28	4	-	7
1982	-	20	24	39	28	1	-	5
50 to 69 acres 1987	-	12	16	7	6	-	-	3
1982	-	12	13	2	13	2	-	1
70 to 99 acres 1987	-	24	34	10	38	6	-	10
1982	2	20	35	13	40	5	-	3
100 to 139 acres 1987	2	21	28	12	34	14	2	11
1982	-	21	43	13	54	9	-	10
140 to 179 acres 1987	4	13	21	9	40	14	1	12
1982	2	18	39	13	35	11	2	22
180 to 219 acres 1987	3	10	40	9	33	8	1	10
1982	9	19	37	15	36	8	1	25
220 to 259 acres 1987	3	9	23	4	27	10	2	12
1982	4	9	27	8	28	13	3	28
260 to 499 acres 1987	9	35	72	30	67	38	21	56
1982	11	49	84	34	80	35	19	58
500 to 999 acres 1987	9	28	41	15	53	28	10	45
1982	8	22	32	12	39	30	7	48
1,000 to 1,999 acres 1987	1	3	5	6	4	4	2	7
1982	2	3	5	6	7	4	2	6
2,000 acres or more 1987	-	3	-	2	5	3	-	-
1982	-	3	1	2	3	-	1	-
TENURE OF OPERATOR								
Full owners farms, 1987	11	99	127	82	181	49	12	55
1982	13	99	140	85	217	49	7	70
acres, 1987	1 203	25 515	21 790	5 184	46 424	12 890	5 632	14 949
1982	4 659	26 065	31 522	10 503	43 546	15 033	(D)	20 163
Part owners farms, 1987	26	87	174	69	134	73	27	115
1982	25	98	184	75	130	66	27	134
acres, 1987	11 603	33 649	59 485	28 137	52 885	36 505	14 753	53 145
1982	11 191	36 596	57 612	25 474	48 922	30 212	13 683	54 062
Tenants farms, 1987	-	10	8	19	20	7	-	4
1982	-	6	20	18	19	4	1	6
acres, 1987	-	4 612	1 555	9 423	7 452	6 302	-	935
1982	-	2 532	2 706	8 131	7 261	280	(D)	1 123
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated 1987	35	149	267	130	274	115	32	155
1982	34	156	278	137	301	105	34	190
Not on farm operated 1987	1	32	34	36	48	8	3	13
1982	1	33	41	35	45	4	-	5
Not reported 1987	1	15	8	4	13	6	4	6
1982	3	14	25	6	20	10	1	15
Operators by principal occupation:								
Farming 1987	30	139	243	107	240	103	28	144
1982	31	160	254	104	263	100	27	182
Other 1987	7	57	66	63	95	26	11	30
1982	7	43	90	74	103	19	8	28
Operators by days of work off farm:								
None 1987	24	110	173	78	155	71	18	102
1982	22	106	178	94	178	75	18	122
Any 1987	10	78	122	86	159	52	19	63
1982	15	86	141	76	168	34	16	71
1 to 49 days 1987	2	12	15	15	33	12	2	15
1982	8	18	25	10	31	9	7	22
50 to 99 days 1987	-	3	12	3	16	5	1	3
1982	1	4	12	4	10	2	-	4
100 to 149 days 1987	1	6	11	3	7	6	2	4
1982	-	6	6	5	13	-	1	6

See footnotes at end of table.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION								
Cash grains (011)	-	1	50	22	-	574	191	277
Field crops, except cash grains (013)	1	18	22	28	1	51	27	3
Cotton (0131)	-	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	1	18	22	28	1	51	27	3
Vegetables and melons (016)	-	-	61	-	-	14	13	6
Fruits and tree nuts (017)	-	-	136	-	-	7	2	3
Horticultural specialties (018)	-	1	80	-	1	16	22	5
General farms, primarily crop (019)	-	-	9	4	-	25	13	11
Livestock, except dairy, poultry, and animal specialties (021)	14	20	207	38	2	57	54	132
Beef cattle, except feedlots (0212)	7	16	43	25	2	8	14	7
Dairy farms (024)	30	19	179	39	-	68	81	55
Poultry and eggs (025)	-	-	36	-	-	2	3	7
Animal specialties (027)	-	1	5	1	-	12	12	1
General farms, primarily livestock and animal specialties (029)	-	1	8	-	-	7	6	4
FARMS BY SIZE								
1 to 9 acres 1987	1	-	65	-	1	10	11	14
1982	-	-	54	-	1	10	5	11
10 to 49 acres 1987	2	-	150	2	-	46	33	25
1982	1	3	146	-	-	42	28	24
50 to 69 acres 1987	1	-	54	1	-	27	9	8
1982	2	-	59	-	-	34	12	16
70 to 99 acres 1987	5	2	88	4	1	107	24	36
1982	2	1	141	3	-	128	35	50
100 to 139 acres 1987	6	6	96	5	1	106	51	51
1982	4	3	98	4	2	145	69	57
140 to 179 acres 1987	6	6	64	18	-	119	56	57
1982	7	6	74	9	-	124	60	89
180 to 219 acres 1987	3	4	58	7	-	81	29	41
1982	5	8	67	10	-	91	67	57
220 to 259 acres 1987	1	4	50	11	-	49	36	37
1982	-	3	52	5	-	68	44	44
260 to 499 acres 1987	15	24	117	43	-	161	111	116
1982	14	17	108	48	3	197	144	128
500 to 999 acres 1987	4	9	43	32	1	98	47	91
1982	5	10	46	28	-	101	50	91
1,000 to 1,999 acres 1987	1	4	7	9	-	36	14	22
1982	1	2	7	5	-	36	11	20
2,000 acres or more 1987	-	2	3	-	-	13	3	6
1982	-	2	3	2	-	4	4	5
TENURE OF OPERATOR								
Full owners .... farms, 1987	20	30	402	40	2	306	148	225
1982	18	29	434	29	4	386	153	260
acres, 1987	4 627	12 041	43 345	9 979	(D)	47 316	24 360	53 606
1982	(D)	7 132	46 741	9 825	(D)	68 192	27 910	58 210
Part owners .... farms, 1987	25	27	349	88	2	443	251	250
1982	22	22	370	78	2	507	324	288
acres, 1987	7 640	(D)	97 291	45 011	(D)	214 898	96 818	123 764
1982	7 364	14 072	99 252	41 649	(D)	199 103	113 160	125 867
Tenants .... farms, 1987	-	4	42	4	-	84	25	29
1982	1	4	49	7	-	87	52	44
acres, 1987	-	(D)	3 872	1 243	-	14 684	5 546	11 600
1982	(D)	4 230	6 340	1 333	-	18 186	11 788	10 280
OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated 1987	45	47	640	117	4	686	372	423
1982	39	46	692	92	4	817	421	487
Not on farm operated 1987	-	10	112	8	-	111	42	51
1982	-	3	97	9	-	108	74	58
Not reported 1987	-	4	41	7	-	36	10	30
1982	2	6	64	13	2	55	34	47
Operators by principal occupation:								
Farming 1987	41	45	577	101	2	556	277	354
1982	39	44	631	101	6	680	399	419
Other 1987	4	16	216	31	2	277	147	150
1982	2	11	222	13	-	300	130	173
Operators by days of work off farm:								
None 1987	22	23	416	79	2	392	204	225
1982	16	29	461	53	3	465	262	271
Any 1987	23	34	343	48	2	412	205	247
1982	16	20	331	46	1	446	226	286
1 to 49 days 1987	11	4	53	5	1	59	23	46
1982	10	3	40	13	-	71	37	67
50 to 99 days 1987	-	1	28	2	-	28	8	18
1982	1	-	22	5	1	29	12	19
100 to 149 days 1987	4	1	27	5	-	29	17	6
1982	3	2	28	5	-	20	19	10

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item		Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION									
Cash grains (011)		317	1	336	338	82	157	30	3
Field crops, except cash grains (013)		76	1	17	124	16	21	2	3
Cotton (0131)		-	-	-	-	-	-	-	-
Tobacco (0132)		-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		76	1	17	124	16	21	2	3
Vegetables and melons (016)		6	-	3	14	48	11	17	5
Fruits and tree nuts (017)		8	1	1	5	261	13	8	-
Horticultural specialties (018)		13	-	7	2	19	23	5	2
General farms, primarily crop (019)		39	1	12	33	17	17	-	-
Livestock, except dairy, poultry, and animal specialties (021)		100	16	75	73	90	148	1	19
Beef cattle, except feedlots (0212)		21	11	18	12	8	20	-	9
Dairy farms (024)		384	2	107	93	32	88	1	17
Poultry and eggs (025)		2	-	4	11	6	4	2	-
Animal specialties (027)		7	1	5	3	5	15	12	5
General farms, primarily livestock and animal specialties (029)		20	-	5	5	6	9	-	1
FARMS BY SIZE									
1 to 9 acres	1987	22	-	5	12	6	17	27	1
	1982	5	-	6	8	11	11	27	2
10 to 49 acres	1987	32	4	23	24	87	34	42	2
	1982	33	-	22	27	104	37	38	4
50 to 69 acres	1987	11	-	11	17	40	17	7	-
	1982	11	1	13	23	51	17	6	7
70 to 99 acres	1987	43	-	45	49	78	30	2	1
	1982	67	-	65	90	89	45	10	3
100 to 139 acres	1987	76	1	68	76	85	45	19	9
	1982	107	-	90	103	99	86	26	4
140 to 179 acres	1987	129	3	49	69	58	51	6	5
	1982	144	3	76	83	72	72	6	7
180 to 219 acres	1987	77	-	54	64	54	41	5	2
	1982	129	-	88	90	62	59	4	3
220 to 259 acres	1987	92	2	42	45	34	37	4	6
	1982	124	-	56	54	47	52	5	6
260 to 499 acres	1987	258	5	147	152	77	140	9	21
	1982	333	5	172	230	93	150	16	26
500 to 999 acres	1987	161	5	100	124	46	74	4	8
	1982	152	4	90	133	50	82	10	8
1,000 to 1,999 acres	1987	55	3	24	60	13	19	2	-
	1982	44	2	12	38	5	18	3	1
2,000 acres or more	1987	16	-	4	9	4	1	-	-
	1982	8	-	2	7	4	1	-	-
TENURE OF OPERATOR									
Full owners	farms, 1987	368	11	212	231	335	171	74	23
	1982	463	2	268	297	410	233	75	31
	acres, 1987	79 611	1 925	41 677	38 692	48 982	31 744	2 731	(D)
	1982	107 065	(D)	51 329	57 294	56 340	41 496	6 054	(D)
Part owners	farms, 1987	534	12	318	389	220	288	43	31
	1982	619	13	374	509	247	343	55	35
	acres, 1987	283 333	8 419	149 271	221 167	92 986	117 750	9 168	10 655
	1982	272 336	(D)	139 469	228 866	95 588	128 803	13 635	14 667
Tenants	farms, 1987	70	-	42	81	27	47	10	1
	1982	75	-	50	80	30	54	21	5
	acres, 1987	21 471	-	9 358	37 190	7 800	12 665	3 725	(D)
	1982	16 078	-	10 949	18 260	3 975	14 958	5 416	(D)
OPERATOR CHARACTERISTICS									
Operators by place of residence:									
On farm operated	1987	842	21	489	591	484	437	100	51
	1982	949	13	594	729	555	531	102	62
Not on farm operated	1987	86	1	51	80	76	51	22	3
	1982	100	1	54	85	88	62	34	7
Not reported	1987	44	1	32	30	22	18	5	1
	1982	108	1	44	72	44	37	15	2
Operators by principal occupation:									
Farming	1987	832	17	387	538	414	368	89	43
	1982	998	13	480	702	485	455	101	57
Other	1987	140	6	185	163	168	138	38	12
	1982	159	2	212	184	202	175	50	14
Operators by days of work off farm:									
None	1987	575	12	262	383	295	258	77	29
	1982	704	7	332	471	308	307	81	47
Any	1987	311	11	271	283	263	217	45	25
	1982	342	7	310	324	321	282	58	22
1 to 49 days	1987	57	-	32	63	52	24	5	7
	1982	84	1	35	62	49	41	5	11
50 to 99 days	1987	41	-	16	15	17	18	3	-
	1982	26	-	23	22	29	18	5	3
100 to 149 days	1987	23	2	13	19	24	18	1	4
	1982	33	1	22	26	23	25	5	1

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
OPERATOR CHARACTERISTICS—Con.							
Operators by days of work off farm—Con.							
Any—Con.							
150 to 199 days 1987	1 112	2	-	44	2	6	9
1982	1 250	9	-	37	18	4	7
200 days or more 1987	6 078	16	8	225	23	24	32
1982	6 699	10	3	234	27	26	38
Not reported 1987	1 393	2	-	40	8	7	13
1982	2 253	3	2	75	7	9	18
1987 operators by years on present farm:							
2 years or less	699	1	-	23	7	-	5
3 or 4 years	1 003	-	1	33	3	6	14
5 to 9 years	2 949	12	5	109	25	23	22
10 years or more	15 979	42	16	546	82	68	118
Average years on present farm	21.9	20.4	17.4	20.8	19.9	19.5	21.5
Not reported	3 550	11	3	109	14	23	27
1987 operators by age group:							
Under 25 years	467	2	-	11	-	4	6
25 to 34 years	3 426	14	2	128	27	17	32
35 to 44 years	5 173	11	13	188	25	30	35
45 to 54 years	5 669	12	2	195	27	26	47
55 to 64 years	5 849	15	4	194	34	24	42
65 years and over	3 596	12	4	104	18	19	24
Average age	49.6	49.4	47.6	48.7	48.8	48.1	48.2
TYPE OF ORGANIZATION							
Individual or family (sole proprietorship) farms, 1987	19 824	56	22	667	116	91	165
1982	23 563	63	25	787	129	105	185
acres, 1987	5 918 327	18 827	8 096	143 936	39 803	22 009	62 084
1982	6 412 134	19 439	(D)	154 636	38 061	26 940	56 776
Partnership farms, 1987	3 356	9	2	123	15	23	16
1982	3 983	11	6	143	13	25	25
acres, 1987	1 735 591	(D)	(D)	47 546	5 585	11 801	12 411
1982	1 765 873	4 205	(D)	53 165	(D)	15 447	(D)
Corporation:							
Family held farms, 1987	847	-	-	27	-	6	2
1982	745	-	-	27	1	5	2
acres, 1987	500 559	-	-	(D)	-	4 950	(D)
1982	466 455	-	-	(D)	(D)	(D)	(D)
Other than family held farms, 1987	76	-	-	3	-	-	1
1982	74	-	-	3	-	-	-
acres, 1987	30 189	-	-	(D)	-	-	(D)
1982	33 848	-	-	(D)	-	-	-
Other—cooperative, estate or trust, institutional, etc. farms, 1987	77	1	1	-	-	-	-
1982	67	-	-	2	-	1	-
acres, 1987	45 787	(D)	(D)	-	-	-	-
1982	36 367	-	-	(D)	-	(D)	-
1987 FARM PRODUCTION EXPENSES[1]							
Total farm production expenses farms	24 140	67	25	823	137	120	183
$1,000	2 042 052	2 006	1 367	98 471	7 465	9 014	13 224
Livestock and poultry purchased farms	8 461	39	10	361	62	42	40
$1,000	180 306	489	107	11 176	560	627	654
Feed for livestock and poultry farms	12 579	48	22	496	88	61	81
$1,000	263 136	319	314	20 453	960	1 257	1 162
Commercially mixed formula feeds farms	7 821	14	20	328	55	47	66
$1,000	150 691	228	286	13 396	441	884	672
Seeds, bulbs, plants, and trees farms	21 170	30	20	652	124	93	168
$1,000	105 482	39	22	2 735	425	346	689
Commercial fertilizer farms	21 591	30	18	683	124	103	170
$1,000	182 585	75	40	5 093	610	762	1 670
Agricultural chemicals farms	21 167	16	18	700	106	103	166
$1,000	112 523	11	14	4 021	346	665	787
Petroleum products farms	23 778	67	24	795	137	120	177
$1,000	107 628	98	56	3 944	497	384	828
Electricity farms	21 456	63	24	753	125	119	171
$1,000	42 935	40	51	2 410	184	176	298
Hired farm labor farms	12 914	32	18	489	86	78	108
$1,000	239 077	117	260	15 862	799	1 156	1 161
Contract labor farms	2 974	-	1	123	29	25	29
$1,000	26 327	-	(D)	980	180	110	218
Repair and maintenance farms	22 485	67	23	752	136	114	176
$1,000	133 994	182	70	4 880	670	732	894
Customwork, machine hire, and rental of machinery and equipment farms	10 837	21	13	413	64	30	79
$1,000	30 636	40	(D)	1 083	86	152	246
Interest farms	16 357	40	12	546	75	85	141
$1,000	179 736	149	99	7 302	697	798	1 482
Cash rent farms	11 926	19	13	353	81	63	85
$1,000	88 728	53	17	2 637	316	176	843
Property taxes farms	22 580	67	24	789	119	120	158
$1,000	114 879	120	60	3 733	393	511	842
All other farm production expenses farms	24 126	67	25	823	137	120	183
$1,000	224 079	274	246	12 131	742	1 160	1 450

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
OPERATOR CHARACTERISTICS—Con.							
Operators by days of work off farm—Con.							
Any—Con.							
150 to 199 days 1987	1	16	29	3	28	31	20
1982	1	16	25	5	19	27	32
200 days or more 1987	6	72	163	8	150	150	133
1982	2	133	180	9	165	180	176
Not reported 1987	-	25	35	2	30	32	26
1982	2	31	61	5	45	54	45
1987 operators by years on present farm:							
2 years or less	3	7	15	3	17	16	12
3 or 4 years	1	16	29	-	33	21	20
5 to 9 years	3	45	63	5	72	60	42
10 years or more	12	223	333	39	490	337	324
Average years on present farm	18.5	21.9	21.5	21.8	24.0	21.2	23.3
Not reported	1	39	125	6	80	84	80
1987 operators by age group:							
Under 25 years	1	6	24	-	9	12	4
25 to 34 years	2	47	92	4	76	68	75
35 to 44 years	6	81	123	12	123	107	90
45 to 54 years	5	67	113	19	137	118	107
55 to 64 years	1	81	156	11	187	138	136
65 years and over	5	48	57	7	160	75	66
Average age	48.2	49.1	47.8	50.2	53.1	50.1	50.3
TYPE OF ORGANIZATION							
Individual or family (sole proprietorship) ......farms, 1987	18	276	480	44	565	450	389
1982	14	394	557	43	642	540	541
acres, 1987	(D)	91 546	118 066	11 416	103 889	151 678	139 316
1982	(D)	109 449	123 303	10 627	116 862	160 602	173 862
Partnership ......farms, 1987	2	50	64	7	96	62	66
1982	1	52	84	13	92	91	78
acres, 1987	(D)	(D)	(D)	(D)	34 924	(D)	(D)
1982	(D)	26 673	29 798	(D)	25 094	43 585	34 609
Corporation:							
Family held ......farms, 1987	-	4	20	2	22	3	21
1982	1	8	11	2	20	4	14
acres, 1987	-	(D)	10 317	(D)	6 648	(D)	11 819
1982	(D)	(D)	(D)	(D)	(D)	3 300	10 947
Other than family held ......farms, 1987	-	-	-	-	6	-	-
1982	-	-	-	-	1	1	2
acres, 1987	-	-	-	-	281	-	-
1982	-	-	-	-	(D)	(D)	(D)
Other—cooperative, estate or trust, institutional, etc. ......farms, 1987	-	-	1	-	3	3	2
1982	-	1	1	-	2	2	4
acres, 1987	-	-	(D)	-	2 068	(D)	(D)
1982	-	(D)	(D)	-	(D)	(D)	(D)
1987 FARM PRODUCTION EXPENSES[1]							
Total farm production expenses ......farms	20	333	564	54	697	516	484
$1,000	490	23 867	37 559	3 077	51 303	37 007	35 227
Livestock and poultry purchased ......farms	10	115	54	17	137	199	202
$1,000	48	2 010	282	228	1 626	5 181	3 782
Feed for livestock and poultry ......farms	20	212	56	21	192	284	322
$1,000	131	4 374	441	122	2 044	4 675	5 179
Commercially mixed formula feeds ......farms	15	153	19	4	118	129	175
$1,000	79	2 595	171	(D)	1 094	1 322	2 809
Seeds, bulbs, plants, and trees ......farms	17	294	556	35	518	485	447
$1,000	9	963	3 116	54	2 743	1 962	1 658
Commercial fertilizer ......farms	13	276	556	47	651	462	432
$1,000	20	2 100	6 345	164	3 796	3 550	3 250
Agricultural chemicals ......farms	6	270	529	47	645	465	427
$1,000	(D)	884	2 919	545	5 581	1 788	1 655
Petroleum products ......farms	20	308	557	49	690	498	482
$1,000	38	1 276	2 645	190	2 636	1 989	2 024
Electricity ......farms	18	308	469	54	639	427	410
$1,000	23	589	510	71	922	745	730
Hired farm labor ......farms	11	148	278	34	471	165	265
$1,000	(D)	1 991	2 760	607	12 031	3 181	3 497
Contract labor ......farms	1	15	116	12	166	59	48
$1,000	(D)	144	934	93	825	518	290
Repair and maintenance ......farms	20	315	521	50	687	464	439
$1,000	45	1 501	3 114	216	3 653	2 333	2 098
Customwork, machine hire, and rental of machinery and equipment ......farms	6	192	253	21	434	267	219
$1,000	10	355	764	47	1 495	520	448
Interest ......farms	11	212	345	32	402	326	328
$1,000	(D)	2 484	3 699	191	3 125	3 280	2 814
Cash rent ......farms	11	148	358	20	310	203	223
$1,000	9	1 198	4 070	34	2 550	1 702	1 467
Property taxes ......farms	20	331	520	54	662	455	459
$1,000	32	1 297	2 922	191	2 843	2 509	2 192
All other farm production expenses ......farms	20	333	564	54	697	516	484
$1,000	67	2 700	3 039	325	5 431	3 095	4 141

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
OPERATOR CHARACTERISTICS—Con.							
Operators by days of work off farm—Con.							
Any—Con.							
150 to 199 days 1987	12	7	1	8	7	19	-
1982	32	2	5	9	4	25	-
200 days or more 1987	103	14	13	37	26	245	-
1982	123	11	12	24	27	267	1
Not reported 1987	27	4	3	4	8	47	-
1982	40	2	-	7	6	67	-
1987 operators by years on present farm:							
2 years or less	16	2	-	1	1	18	-
3 or 4 years	17	3	3	4	9	23	-
5 to 9 years	61	8	4	14	21	82	-
10 years or more	286	40	34	88	66	473	4
Average years on present farm	21.9	19.5	23.8	21.6	20.7	22.7	20.5
Not reported	56	8	11	18	15	100	-
1987 operators by age group:							
Under 25 years	10	1	-	-	-	10	-
25 to 34 years	68	5	6	13	25	94	-
35 to 44 years	103	7	10	23	21	165	-
45 to 54 years	83	22	18	40	25	162	-
55 to 64 years	92	18	8	27	19	169	1
65 years and over	80	8	10	22	24	96	3
Average age	49.4	51.2	50.3	51.4	49.9	49.3	67.8
TYPE OF ORGANIZATION							
Individual or family (sole proprietorship) .... farms, 1987	367	47	40	105	94	556	4
1982	435	52	37	110	90	682	2
acres, 1987	124 805	18 003	17 725	42 351	27 403	145 582	(D)
1982	121 639	18 386	13 491	47 126	29 980	169 919	(D)
Partnership .... farms, 1987	57	13	10	18	14	125	-
1982	71	11	10	16	22	111	-
acres, 1987	(D)	(D)	(D)	(D)	10 613	59 240	-
1982	37 653	5 134	(D)	(D)	12 469	44 561	-
Corporation:							
Family held .... farms, 1987	10	1	2	1	6	15	-
1982	17	3	6	1	10	12	-
acres, 1987	(D)	(D)	(D)	(D)	9 470	11 456	-
1982	9 839	1 608	(D)	(D)	8 260	9 919	-
Other than family held .... farms, 1987	2	-	-	1	-	-	-
1982	2	-	-	2	-	-	-
acres, 1987	(D)	-	-	(D)	-	-	-
1982	(D)	-	-	(D)	-	-	-
Other—cooperative, estate or trust, institutional, etc. .... farms, 1987	-	-	-	-	-	-	-
1982	3	-	-	-	-	-	-
acres, 1987	-	-	-	-	-	-	-
1982	(D)	-	-	-	-	-	-
1987 FARM PRODUCTION EXPENSES[1]							
Total farm production expenses .... farms	433	63	52	124	111	694	4
$1,000	46 996	2 319	3 144	4 864	7 572	49 099	26
Livestock and poultry purchased .... farms	161	18	10	50	68	250	1
$1,000	3 642	142	130	422	971	2 463	(D)
Feed for livestock and poultry .... farms	252	35	32	105	108	333	3
$1,000	11 024	354	706	1 390	1 686	7 862	(D)
Commercially mixed formula feeds .... farms	116	23	24	69	61	244	-
$1,000	3 548	237	540	1 018	839	2 876	-
Seeds, bulbs, plants, and trees .... farms	400	50	43	64	73	668	1
$1,000	1 812	89	79	52	145	2 526	(D)
Commercial fertilizer .... farms	403	50	47	89	84	646	2
$1,000	3 280	186	234	124	404	4 671	(D)
Agricultural chemicals .... farms	395	35	42	33	63	654	2
$1,000	2 200	112	55	98	105	2 566	(D)
Petroleum products .... farms	418	62	52	116	102	692	4
$1,000	2 137	143	186	191	308	2 609	2
Electricity .... farms	399	57	47	109	111	640	4
$1,000	850	68	92	122	169	1 260	1
Hired farm labor .... farms	214	28	30	85	53	405	1
$1,000	4 754	206	384	302	408	4 505	(D)
Contract labor .... farms	50	1	7	4	4	72	-
$1,000	283	(D)	(D)	11	28	302	-
Repair and maintenance .... farms	407	57	50	116	90	654	4
$1,000	2 777	145	232	332	662	3 606	1
Customwork, machine hire, and rental of machinery and equipment .... farms	232	7	19	31	27	403	-
$1,000	789	35	(D)	35	14	671	-
Interest .... farms	363	43	36	96	88	471	1
$1,000	3 862	343	336	568	660	4 982	(D)
Cash rent .... farms	212	20	30	77	50	295	-
$1,000	2 072	(D)	111	94	212	2 035	-
Property taxes .... farms	392	63	52	108	110	671	4
$1,000	2 415	237	165	293	399	3 436	7
All other farm production expenses .... farms	433	63	52	124	111	694	4
$1,000	5 100	194	362	830	1 379	5 586	4

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
OPERATOR CHARACTERISTICS—Con.							
Operators by days of work off farm—Con.							
Any—Con.							
150 to 199 days 1987	8	2	22	2	15	4	-
1982	12	2	24	-	20	5	-
200 days or more 1987	18	4	164	10	96	28	2
1982	20	6	206	8	135	32	2
Not reported 1987	8	3	33	5	12	13	2
1982	13	2	47	7	26	17	2
1987 operators by years on present farm:							
2 years or less	1	-	18	1	8	6	-
3 or 4 years	1	1	20	1	-	7	-
5 to 9 years	15	8	58	10	34	35	-
10 years or more	88	31	371	40	201	70	7
Average years on present farm	24.4	22.7	22.7	21.9	23.0	17.6	27.1
Not reported	10	10	64	10	52	21	2
1987 operators by age group:							
Under 25 years	-	-	12	1	2	6	-
25 to 34 years	12	5	74	6	35	16	1
35 to 44 years	18	12	119	16	56	36	1
45 to 54 years	30	8	124	16	69	27	2
55 to 64 years	33	13	106	14	80	27	1
65 years and over	22	12	96	9	53	27	4
Average age	53.2	52.1	49.9	50.3	51.4	49.7	56.8
TYPE OF ORGANIZATION							
Individual or family (sole proprietorship) farms, 1987	92	36	469	45	246	126	5
1982	110	47	578	47	321	138	11
acres, 1987	37 057	13 438	153 848	15 969	78 305	34 118	848
1982	37 487	(D)	168 921	14 216	90 712	35 011	3 524
Partnership farms, 1987	17	9	47	10	37	10	4
1982	17	7	72	10	60	17	3
acres, 1987	11 588	(D)	23 519	(D)	(D)	3 562	298
1982	10 503	(D)	27 106	(D)	28 358	(D)	(D)
Corporation:							
Family held farms, 1987	5	5	11	7	11	1	-
1982	4	-	11	5	9	1	-
acres, 1987	(D)	(D)	8 817	(D)	9 083	(D)	-
1982	1 770	-	(D)	(D)	(D)	(D)	-
Other than family held farms, 1987	-	-	4	-	-	-	-
1982	-	-	1	-	1	-	1
acres, 1987	-	-	2 495	-	-	-	-
1982	-	-	(D)	-	(D)	-	(D)
Other—cooperative, estate or trust, institutional, etc. farms, 1987	1	-	-	-	1	2	-
1982	-	-	1	-	3	-	-
acres, 1987	(D)	-	-	-	(D)	(D)	-
1982	-	-	(D)	-	657	-	-
1987 FARM PRODUCTION EXPENSES[1]							
Total farm production expenses farms	116	50	526	62	295	140	9
$1,000	6 651	3 050	31 439	2 929	24 958	4 706	581
Livestock and poultry purchased farms	31	15	179	25	75	91	3
$1,000	115	32	2 216	211	4 489	393	4
Feed for livestock and poultry farms	99	33	262	50	147	120	8
$1,000	1 662	522	3 464	437	1 705	857	206
Commercially mixed formula feeds farms	79	24	137	39	73	77	6
$1,000	1 023	225	1 219	281	650	364	31
Seeds, bulbs, plants, and trees farms	96	38	496	48	261	126	6
$1,000	215	106	2 335	83	1 477	215	22
Commercial fertilizer farms	104	40	497	56	269	126	7
$1,000	476	260	3 643	248	2 737	445	7
Agricultural chemicals farms	77	31	472	53	267	98	8
$1,000	245	126	2 051	81	1 738	200	2
Petroleum products farms	116	50	524	62	286	140	9
$1,000	478	187	1 969	196	1 233	297	23
Electricity farms	114	48	447	58	246	125	9
$1,000	226	83	526	91	409	101	11
Hired farm labor farms	96	37	229	38	123	57	6
$1,000	613	513	2 411	308	2 101	249	102
Contract labor farms	22	8	33	8	29	9	2
$1,000	72	29	80	(D)	106	13	(D)
Repair and maintenance farms	108	48	501	61	277	133	8
$1,000	620	350	2 766	287	1 541	355	22
Customwork, machine hire, and rental of machinery and equipment farms	40	19	213	19	107	51	3
$1,000	81	20	406	(D)	324	62	(D)
Interest farms	66	37	329	50	223	63	5
$1,000	453	155	2 852	249	2 087	526	32
Cash rent farms	67	24	231	35	166	44	2
$1,000	101	35	1 501	93	1 406	137	(D)
Property taxes farms	109	49	495	58	287	139	9
$1,000	325	194	2 504	204	1 476	404	18
All other farm production expenses farms	116	50	526	62	295	140	9
$1,000	969	439	2 735	412	2 128	453	97

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
OPERATOR CHARACTERISTICS—Con.								
Operators by days of work off farm—Con.								
Any—Con.								
150 to 199 days, 1987	15	24	15	5	35	24	23	2
1982	14	26	52	-	39	18	21	4
200 days or more, 1987	44	136	176	7	162	102	137	21
1982	36	179	194	6	137	141	178	16
Not reported, 1987	13	41	32	-	95	22	25	4
1982	14	71	65	2	156	41	36	6
1987 operators by years on present farm:								
2 years or less	3	19	20	2	35	8	23	-
3 or 4 years	11	19	26	4	45	14	16	8
5 to 9 years	30	56	57	4	115	39	61	8
10 years or more	141	429	368	22	666	283	370	46
Average years on present farm	21.5	23.2	21.3	19.9	22.3	24.6	21.9	19.9
Not reported	33	97	74	6	200	59	76	13
1987 operators by age group:								
Under 25 years	3	24	5	-	36	2	4	3
25 to 34 years	27	80	83	7	186	46	96	7
35 to 44 years	42	142	114	9	226	66	123	17
45 to 54 years	52	162	136	5	241	113	134	19
55 to 64 years	58	124	125	12	241	98	124	16
65 years and over	36	88	82	4	131	78	65	13
Average age	50.9	48.7	49.7	48.9	47.7	52.2	48.2	50.0
TYPE OF ORGANIZATION								
Individual or family (sole proprietorship) farms, 1987	157	505	465	28	895	310	447	67
1982	168	666	593	34	1 076	398	539	69
acres, 1987	33 037	188 821	156 405	8 841	289 904	104 961	152 407	21 857
1982	(D)	197 333	174 787	10 786	301 929	123 790	151 657	25 731
Partnership farms, 1987	39	100	70	6	109	73	93	7
1982	35	113	88	9	134	86	104	5
acres, 1987	(D)	(D)	37 900	(D)	(D)	60 680	(D)	(D)
1982	13 697	63 843	37 695	(D)	56 265	56 631	48 912	(D)
Corporation:								
Family held farms, 1987	21	13	7	3	49	10	4	1
1982	14	6	5	1	46	11	4	1
acres, 1987	6 212	6 990	(D)	(D)	(D)	(D)	(D)	(D)
1982	(D)	(D)	8 461	(D)	48 189	9 146	(D)	(D)
Other than family held farms, 1987	-	-	1	-	6	1	1	-
1982	1	-	3	-	7	3	-	1
acres, 1987	-	-	(D)	-	(D)	(D)	(D)	-
1982	(D)	-	(D)	-	1 272	281	-	(D)
Other—cooperative, estate or trust, institutional, etc. farms, 1987	1	2	2	1	2	9	1	-
1982	-	3	1	-	3	6	1	-
acres, 1987	(D)	(D)	(D)	(D)	(D)	4 661	(D)	-
1982	-	(D)	(D)	-	2 624	484	(D)	-
1987 FARM PRODUCTION EXPENSES[1]								
Total farm production expenses farms	216	621	543	38	1 060	406	551	54
$1,000	11 509	52 789	44 787	1 365	127 304	40 440	57 818	5 529
Livestock and poultry purchased farms	59	162	281	18	410	134	210	26
$1,000	624	6 033	6 439	24	27 382	2 581	3 708	(D)
Feed for livestock and poultry farms	61	251	370	30	571	222	357	40
$1,000	402	4 715	6 260	284	18 462	5 063	12 392	931
Commercially mixed formula feeds farms	38	171	188	20	335	153	225	32
$1,000	193	2 399	2 970	198	10 274	1 957	8 941	223
Seeds, bulbs, plants, and trees farms	112	587	516	34	990	392	523	52
$1,000	256	3 215	1 988	48	5 905	1 856	2 413	120
Commercial fertilizer farms	168	591	466	36	998	375	537	40
$1,000	805	7 230	4 617	90	13 931	3 993	4 834	282
Agricultural chemicals farms	188	591	476	26	989	380	518	45
$1,000	1 408	2 939	2 371	30	5 229	1 989	2 511	67
Petroleum products farms	216	614	542	38	1 054	405	550	53
$1,000	680	3 074	2 100	97	5 637	2 272	2 387	213
Electricity farms	189	490	480	37	941	374	508	53
$1,000	247	815	860	37	1 968	1 019	1 368	119
Hired farm labor farms	152	323	245	27	567	227	315	31
$1,000	2 227	4 064	3 072	172	7 235	4 400	6 151	284
Contract labor farms	71	51	44	1	129	68	36	9
$1,000	500	433	66	(D)	586	328	246	3
Repair and maintenance farms	186	605	522	36	1 008	364	532	47
$1,000	830	3 502	2 904	128	6 501	2 758	3 863	249
Customwork, machine hire, and rental of machinery and equipment farms	90	286	257	21	541	207	225	23
$1,000	157	657	829	29	1 557	465	647	(D)
Interest farms	138	478	419	31	736	313	339	34
$1,000	915	6 031	4 248	93	11 879	3 990	4 831	518
Cash rent farms	66	300	262	18	557	233	234	34
$1,000	405	2 392	3 224	(D)	6 259	2 186	1 921	93
Property taxes farms	190	564	526	38	938	383	529	54
$1,000	869	3 383	2 103	80	6 155	3 439	2 553	254
All other farm production expenses farms	216	621	543	38	1 060	405	550	54
$1,000	1 164	4 305	3 706	235	8 559	4 102	7 992	411

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
OPERATOR CHARACTERISTICS—Con.								
Operators by days of work off farm—Con.								
Any—Con.								
150 to 199 days 1987	1	19	19	15	2	25	-	2
1982	1	23	27	18	1	40	-	-
200 days or more 1987	6	112	122	98	4	163	-	3
1982	11	117	125	126	8	173	-	5
Not reported 1987	5	26	29	24	4	39	-	-
1982	2	45	38	35	1	48	-	-
1987 operators by years on present farm:								
2 years or less	-	11	6	10	-	16	-	1
3 or 4 years	1	25	25	12	1	31	-	1
5 to 9 years	3	56	51	48	2	89	-	3
10 years or more	15	270	272	257	11	392	-	20
Average years on present farm	23.8	21.4	22.5	21.0	27.1	20.5	-	25.1
Not reported	6	92	49	65	9	84	-	-
1987 operators by age group:								
Under 25 years	-	10	4	7	-	10	-	-
25 to 34 years	3	66	56	36	1	98	-	2
35 to 44 years	3	92	72	102	3	140	-	8
45 to 54 years	7	100	113	96	7	141	-	5
55 to 64 years	8	119	100	80	6	156	-	6
65 years and over	4	67	58	71	6	67	-	4
Average age	50.4	49.4	50.4	50.3	55.0	48.6	-	50.2
TYPE OF ORGANIZATION								
Individual or family (sole proprietorship) farms, 1987	23	374	317	310	21	456	-	21
1982	30	423	415	356	27	547	-	24
acres, 1987	(D)	107 255	103 613	105 216	(D)	106 311	-	4 763
1982	16 304	120 907	118 729	110 453	(D)	124 574	-	(D)
Partnership farms, 1987	-	76	66	45	2	109	-	4
1982	1	79	66	60	4	130	-	6
acres, 1987	-	(D)	39 686	20 526	(D)	(D)	-	2 846
1982	(D)	36 690	45 621	26 401	(D)	42 528	-	(D)
Corporation:								
Family held farms, 1987	2	3	13	31	-	43	-	-
1982	2	3	16	26	-	35	-	-
acres, 1987	(D)	(D)	13 418	(D)	-	(D)	-	-
1982	(D)	1 384	(D)	(D)	-	11 521	-	-
Other than family held farms, 1987	-	1	3	3	-	3	-	-
1982	-	-	1	3	-	3	-	-
acres, 1987	-	(D)	1 121	(D)	-	(D)	-	-
1982	-	-	(D)	(D)	-	(D)	-	-
Other—cooperative, estate or trust, institutional, etc. farms, 1987	-	-	4	3	-	1	-	-
1982	-	-	1	3	-	1	-	-
acres, 1987	-	-	4 597	4 548	-	(D)	-	-
1982	-	-	(D)	2 831	-	(D)	-	-
1987 FARM PRODUCTION EXPENSES[1]								
Total farm production expenses farms	25	455	404	389	23	617	-	18
$1,000	1 403	31 922	39 301	48 193	1 694	61 920	-	736
Livestock and poultry purchased farms	12	222	160	102	12	213	-	11
$1,000	48	3 161	5 680	3 627	39	2 950	-	28
Feed for livestock and poultry farms	20	305	278	176	15	307	-	18
$1,000	182	5 777	6 484	7 812	192	4 834	-	192
Commercially mixed formula feeds farms	16	202	135	67	12	184	-	13
$1,000	107	3 365	2 185	5 553	82	2 483	-	38
Seeds, bulbs, plants, and trees farms	19	389	347	323	23	511	-	11
$1,000	52	1 393	1 211	2 191	155	3 283	-	16
Commercial fertilizer farms	19	399	342	309	23	544	-	11
$1,000	117	3 257	2 623	2 665	206	3 629	-	18
Agricultural chemicals farms	17	380	324	330	18	561	-	10
$1,000	54	1 249	1 462	1 909	150	4 621	-	11
Petroleum products farms	24	454	385	386	23	616	-	18
$1,000	83	1 816	1 578	2 839	131	3 677	-	45
Electricity farms	23	399	363	308	22	561	-	18
$1,000	27	737	862	1 239	62	1 423	-	29
Hired farm labor farms	14	230	212	256	14	431	-	10
$1,000	236	2 210	3 766	8 194	180	13 361	-	41
Contract labor farms	2	17	63	50	4	72	-	-
$1,000	(D)	164	278	465	3	912	-	-
Repair and maintenance farms	23	415	370	378	22	589	-	17
$1,000	96	2 276	2 382	2 626	140	4 279	-	41
Customwork, machine hire, and rental of machinery and equipment farms	8	163	200	194	15	267	-	5
$1,000	(D)	474	428	1 025	20	699	-	3
Interest farms	17	354	318	287	18	439	-	15
$1,000	109	3 223	3 639	3 429	119	4 544	-	40
Cash rent farms	17	212	178	185	11	315	-	10
$1,000	23	1 125	1 454	1 803	38	1 987	-	28
Property taxes farms	22	443	396	373	23	558	-	18
$1,000	106	1 968	2 331	2 261	84	3 187	-	42
All other farm production expenses farms	25	455	404	387	23	617	-	18
$1,000	263	3 093	5 122	6 108	176	8 533	-	202

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
OPERATOR CHARACTERISTICS—Con.								
Operators by days of work off farm—Con.								
Any—Con.								
150 to 199 days ... 1987	32	10	37	13	2	4	11	7
1982	23	16	43	8	-	2	13	7
200 days or more ... 1987	103	47	259	73	2	4	82	19
1982	119	56	261	69	2	3	74	11
Not reported ... 1987	25	9	42	15	1	2	18	3
1982	42	5	82	28	1	4	47	5
1987 operators by years on present farm:								
2 years or less	7	6	17	7	1	-	8	4
3 or 4 years	18	9	38	13	1	4	11	3
5 to 9 years	46	24	83	36	-	4	46	15
10 years or more	310	141	574	173	12	22	208	57
Average years on present farm	23.1	21.2	22.2	22.1	20.4	19.1	22.7	19.1
Not reported	70	23	107	52	1	3	53	8
1987 operators by age group:								
Under 25 years	3	-	33	-	-	-	3	1
25 to 34 years	52	20	113	37	1	7	37	12
35 to 44 years	95	53	174	69	1	10	61	21
45 to 54 years	106	41	189	62	6	7	66	19
55 to 64 years	139	60	194	74	6	4	89	19
65 years and over	56	29	116	39	1	5	70	15
Average age	50.4	51.2	48.9	49.9	53.6	47.3	52.6	49.8
TYPE OF ORGANIZATION								
Individual or family (sole proprietorship) ... farms, 1987	356	155	665	222	13	28	255	66
1982	438	173	785	244	9	38	305	73
acres, 1987	109 169	34 606	215 243	72 047	(D)	(D)	44 313	19 774
1982	120 035	37 165	231 370	71 699	5 552	19 480	50 927	20 063
Partnership ... farms, 1987	70	30	128	43	1	5	49	15
1982	84	34	151	59	3	2	66	10
acres, 1987	(D)	9 218	73 666	20 818	(D)	(D)	18 827	3 707
1982	45 623	10 568	84 991	27 608	1 250	(D)	20 790	1 771
Corporation:								
Family held ... farms, 1987	22	17	25	16	1	-	22	5
1982	19	16	19	13	-	1	19	6
acres, 1987	(D)	(D)	(D)	4 342	(D)	-	1 642	(D)
1982	10 882	(D)	(D)	5 252	-	(D)	(D)	(D)
Other than family held ... farms, 1987	2	-	1	-	-	-	-	1
1982	3	1	1	1	-	-	-	1
acres, 1987	(D)	-	(D)	-	-	-	-	(D)
1982	466	(D)	(D)	(D)	-	-	-	(D)
Other—cooperative, estate or trust, institutional, etc. ... farms, 1987	1	1	-	-	-	-	-	-
1982	-	-	-	2	-	-	1	3
acres, 1987	(D)	(D)	-	-	-	-	-	-
1982	-	-	-	(D)	-	-	(D)	(D)
1987 FARM PRODUCTION EXPENSES[1]								
Total farm production expenses ... farms	444	209	819	280	15	33	325	72
$1,000	45 135	13 261	67 624	22 658	701	1 868	21 358	6 132
Livestock and poultry purchased ... farms	200	18	288	97	10	13	65	15
$1,000	3 959	800	7 421	1 893	183	99	482	83
Feed for livestock and poultry ... farms	330	32	342	164	10	27	77	29
$1,000	3 662	223	5 267	2 077	71	542	644	83
Commercially mixed formula feeds ... farms	240	20	190	86	5	22	46	11
$1,000	1 804	133	2 739	1 297	9	311	305	34
Seeds, bulbs, plants, and trees ... farms	391	123	783	243	10	26	308	60
$1,000	2 529	309	3 801	1 162	33	20	1 654	192
Commercial fertilizer ... farms	402	178	773	224	10	29	304	57
$1,000	4 034	883	7 904	2 145	26	71	1 575	375
Agricultural chemicals ... farms	370	206	738	232	9	19	303	62
$1,000	2 475	2 024	4 577	1 004	18	(D)	1 267	683
Petroleum products ... farms	428	201	811	272	15	33	324	67
$1,000	2 433	771	3 379	1 346	64	97	2 127	285
Electricity ... farms	421	208	694	245	14	31	291	60
$1,000	1 275	216	994	612	19	65	540	162
Hired farm labor ... farms	207	179	327	166	11	25	133	56
$1,000	5 762	2 492	4 184	2 833	36	203	4 029	1 500
Contract labor ... farms	49	47	56	29	5	1	43	21
$1,000	281	568	657	76	(D)	(D)	321	922
Repair and maintenance ... farms	410	192	743	258	15	29	313	65
$1,000	3 210	1 037	4 466	1 770	39	137	1 654	306
Customwork, machine hire, and rental of machinery and equipment ... farms	197	99	335	84	6	13	69	26
$1,000	771	281	1 384	271	(D)	26	158	52
Interest ... farms	296	155	618	192	12	24	146	53
$1,000	4 013	1 334	6 627	2 107	71	171	1 043	451
Cash rent ... farms	233	33	479	152	10	23	200	37
$1,000	2 340	243	6 953	1 428	10	24	924	158
Property taxes ... farms	423	208	727	249	15	29	296	65
$1,000	2 400	751	4 622	1 237	30	71	1 521	245
All other farm production expenses ... farms	444	209	819	280	15	32	325	72
$1,000	5 989	1 329	5 389	2 696	60	330	3 418	628

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item		Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
OPERATOR CHARACTERISTICS—Con.									
Operators by days of work off farm—Con.									
Any—Con.									
150 to 199 days	1987	2	13	10	10	12	4	41	16
	1982	-	10	9	11	14	3	40	19
200 days or more	1987	2	37	49	16	70	16	197	93
	1982	1	36	50	19	69	17	229	106
Not reported	1987	1	12	11	17	7	16	26	27
	1982	2	17	12	20	19	14	60	45
1987 operators by years on present farm:									
2 years or less		-	8	7	2	5	5	19	25
3 or 4 years		2	6	16	9	7	4	18	23
5 to 9 years		5	28	48	21	11	20	61	57
10 years or more		11	127	148	117	140	120	424	300
Average years on present farm		20.6	21.9	19.9	21.2	22.8	21.3	23.9	21.0
Not reported		2	26	28	28	35	32	101	63
1987 operators by age group:									
Under 25 years		-	3	4	1	3	3	14	2
25 to 34 years		1	28	37	27	23	30	97	81
35 to 44 years		7	40	65	40	40	41	118	107
45 to 54 years		6	44	56	50	49	42	145	130
55 to 64 years		5	47	50	39	63	38	139	93
65 years and over		1	33	35	20	20	27	110	56
Average age		49.0	50.2	48.6	48.5	50.1	48.9	49.9	48.4
TYPE OF ORGANIZATION									
Individual or family (sole proprietorship)	farms, 1987	16	150	199	143	173	147	524	390
	1982	18	172	199	193	174	167	638	479
	acres, 1987	6 689	40 012	57 296	64 877	58 098	53 405	149 688	141 483
	1982	8 003	45 363	60 028	79 623	53 403	53 864	163 348	148 913
Partnership	farms, 1987	2	29	47	28	20	31	78	61
	1982	2	29	50	30	28	43	106	72
	acres, 1987	(D)	(D)	(D)	18 735	14 235	(D)	28 426	(D)
	1982	(D)	(D)	25 496	(D)	18 540	19 468	(D)	(D)
Corporation:									
Family held	farms, 1987	1	16	-	5	5	-	19	12
	1982	1	11	1	4	5	-	15	8
	acres, 1987	(D)	(D)	-	(D)	2 269	-	(D)	10 923
	1982	(D)	(D)	(D)	(D)	2 069	-	(D)	(D)
Other than family held	farms, 1987	-	-	-	-	-	-	-	3
	1982	-	1	-	-	-	-	1	1
	acres, 1987	-	-	-	-	-	-	-	1 701
	1982	-	(D)	-	-	-	-	(D)	(D)
Other—cooperative, estate or trust, institutional, etc.	farms, 1987	1	-	1	1	-	3	2	2
	1982	-	-	2	-	-	-	-	-
	acres, 1987	(D)	-	(D)	(D)	-	(D)	(D)	(D)
	1982	-	-	(D)	-	-	-	-	-
1987 FARM PRODUCTION EXPENSES[1]									
Total farm production expenses	farms	16	193	245	176	194	179	627	467
	$1,000	956	11 833	12 092	12 124	11 666	16 086	51 328	39 799
Livestock and poultry purchased	farms	2	59	102	53	57	86	151	152
	$1,000	(D)	813	676	614	1 951	1 183	4 877	1 457
Feed for livestock and poultry	farms	12	83	190	146	88	143	172	242
	$1,000	135	1 239	2 149	2 880	753	4 091	2 331	2 980
Commercially mixed formula feeds	farms	8	81	162	113	57	124	88	179
	$1,000	74	635	1 093	1 883	161	2 246	684	1 532
Seeds, bulbs, plants, and trees	farms	9	153	214	155	186	157	572	409
	$1,000	29	495	514	340	732	409	3 256	3 475
Commercial fertilizer	farms	8	171	198	160	170	146	586	391
	$1,000	74	924	885	837	1 561	1 001	5 358	4 179
Agricultural chemicals	farms	13	173	205	133	157	146	603	409
	$1,000	43	1 148	407	207	647	315	3 702	2 861
Petroleum products	farms	16	193	245	176	193	170	621	467
	$1,000	96	589	692	578	702	703	2 955	2 239
Electricity	farms	16	165	214	176	164	177	518	397
	$1,000	40	238	370	418	149	554	694	1 082
Hired farm labor	farms	10	115	129	133	87	119	226	260
	$1,000	109	1 652	970	1 0[illegible]	645	1 492	6 353	5 014
Contract labor	farms	-	40	20	15	24	26	53	26
	$1,000	-	312	82	48	74	248	481	167
Repair and maintenance	farms	16	167	231	166	177	161	587	436
	$1,000	118	764	1 037	988	795	1 041	3 488	3 149
Customwork, machine hire, and rental of machinery and equipment	farms	7	66	90	110	69	83	286	230
	$1,000	(D)	138	119	154	205	188	690	1 037
Interest	farms	11	132	202	111	134	126	426	383
	$1,000	55	1 046	1 450	1 146	1 264	1 397	4 378	4 096
Cash rent	farms	7	107	114	105	80	94	379	237
	$1,000	8	397	471	227	481	426	5 212	1 757
Property taxes	farms	13	183	235	162	172	168	558	445
	$1,000	67	711	727	591	894	790	2 933	2 051
All other farm production expenses	farms	16	193	245	176	194	179	627	467
	$1,000	166	1 368	1 543	2 000	811	2 248	4 621	4 278

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item		Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
OPERATOR CHARACTERISTICS—Con.									
Operators by days of work off farm—Con.									
Any—Con.									
150 to 199 days	1987	3	9	19	10	20	8	4	7
	1982	-	10	12	9	32	5	6	11
200 days or more	1987	4	48	65	55	83	21	10	34
	1982	6	48	86	48	82	18	2	28
Not reported	1987	3	8	14	8	21	6	2	9
	1982	1	11	25	8	20	10	1	17
1987 operators by years on present farm:									
2 years or less		1	10	9	2	8	6	-	4
3 or 4 years		3	4	14	12	15	5	-	8
5 to 9 years		6	28	64	42	37	21	8	23
10 years or more		21	112	182	92	227	73	30	126
Average years on present farm		20.8	20.6	18.5	18.3	20.8	20.9	23.0	21.5
Not reported		6	42	40	22	48	24	1	13
1987 operators by age group:									
Under 25 years		2	3	6	4	1	2	-	-
25 to 34 years		3	26	53	20	41	13	4	19
35 to 44 years		3	46	87	36	72	18	6	48
45 to 54 years		6	46	68	48	110	44	9	36
55 to 64 years		11	51	59	33	64	31	12	54
65 years and over		10	24	36	29	47	21	8	19
Average age		54.0	49.6	47.3	49.8	49.6	51.4	53.5	50.9
TYPE OF ORGANIZATION									
Individual or family (sole proprietorship)	farms, 1987	33	153	261	136	269	104	34	150
	1982	35	153	290	131	298	98	30	175
	acres, 1987	9 807	31 271	65 929	34 686	70 355	33 588	17 726	55 813
	1982	12 830	34 486	69 195	32 733	69 892	35 141	14 888	57 330
Partnership	farms, 1987	3	29	37	14	48	20	5	23
	1982	2	36	38	27	55	19	5	34
	acres, 1987	(D)	16 137	13 458	(D)	(D)	18 378	2 659	(D)
	1982	(D)	11 439	13 974	7 744	19 877	(D)	2 738	(D)
Corporation:									
Family held	farms, 1987	-	11	9	17	15	3	-	-
	1982	-	11	2	17	12	2	-	1
	acres, 1987	-	(D)	(D)	(D)	(D)	(D)	-	-
	1982	-	(D)	(D)	3 375	(D)	(D)	-	(D)
Other than family held	farms, 1987	-	1	2	1	1	1	-	-
	1982	-	1	1	3	1	-	-	-
	acres, 1987	-	(D)	(D)	(D)	(D)	(D)	-	-
	1982	-	(D)	(D)	256	(D)	-	-	-
Other—cooperative, estate or trust, institutional, etc.	farms, 1987	1	2	-	2	2	1	-	1
	1982	1	2	3	-	-	-	-	-
	acres, 1987	(D)	(D)	-	(D)	(D)	(D)	-	(D)
	1982	(D)	(D)	3 737	-	-	-	-	-
1987 FARM PRODUCTION EXPENSES[1]									
Total farm production expenses	farms	37	197	309	171	335	131	40	175
	$1,000	1 919	21 043	24 619	18 445	28 683	10 177	1 101	11 039
Livestock and poultry purchased	farms	20	73	130	32	83	84	22	88
	$1,000	147	1 786	1 321	172	1 485	808	55	354
Feed for livestock and poultry	farms	32	107	232	61	131	128	36	132
	$1,000	263	1 608	3 497	245	2 232	2 102	276	2 541
Commercially mixed formula feeds	farms	18	71	176	25	68	82	16	78
	$1,000	154	743	1 798	75	1 406	827	168	1 013
Seeds, bulbs, plants, and trees	farms	27	184	276	126	299	97	19	135
	$1,000	57	984	1 119	3 904	989	339	(D)	331
Commercial fertilizer	farms	34	194	260	128	320	97	30	135
	$1,000	167	1 194	1 679	823	2 077	607	39	681
Agricultural chemicals	farms	31	195	247	144	322	88	21	120
	$1,000	40	1 446	1 593	435	3 063	182	31	232
Petroleum products	farms	37	197	307	170	330	131	40	159
	$1,000	118	1 214	1 314	1 271	1 299	565	73	600
Electricity	farms	36	189	289	138	287	131	37	161
	$1,000	53	560	751	354	456	343	54	338
Hired farm labor	farms	22	121	160	114	269	69	28	99
	$1,000	166	3 574	2 869	2 864	6 362	602	105	941
Contract labor	farms	3	43	42	33	86	10	1	17
	$1,000	(D)	987	314	212	853	23	(D)	139
Repair and maintenance	farms	37	180	251	149	327	131	38	156
	$1,000	199	1 514	1 862	965	1 842	990	97	840
Customwork, machine hire, and rental of machinery and equipment	farms	8	69	143	61	161	56	14	59
	$1,000	(D)	237	202	153	467	164	(D)	161
Interest	farms	[illegible]	148	235	97	210	93	19	115
	$1,000	242	1 598	2 673	731	2 714	974	64	1 218
Cash rent	farms	18	76	216	68	133	92	22	100
	$1,000	25	612	785	857	482	340	37	273
Property taxes	farms	37	194	308	158	325	130	40	175
	$1,000	104	1 189	1 598	746	1 453	471	90	728
All other farm production expenses	farms	37	197	309	171	335	131	40	175
	$1,000	330	2 342	3 044	4 714	2 908	1 466	165	1 663

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
OPERATOR CHARACTERISTICS—Con.								
Operators by days of work off farm—Con.								
Any—Con.								
150 to 199 days 1987	2	3	28	5	-	31	25	34
1982	1	3	31	6	-	32	20	39
200 days or more 1987	6	25	207	29	1	265	134	143
1982	1	12	210	17	-	294	138	151
Not reported 1987	-	4	34	7	-	29	15	32
1982	9	6	61	15	2	69	41	15
1987 operators by years on present farm:								
2 years or less	2	-	45	4	-	23	12	16
3 or 4 years	4	1	46	3	-	29	15	20
5 to 9 years	8	7	122	13	2	88	61	51
10 years or more	27	47	474	88	1	584	281	345
Average years on present farm	16.3	27.1	16.7	21.8	16.7	23.2	21.8	20.7
Not reported	4	6	106	24	1	105	55	72
1987 operators by age group:								
Under 25 years	1	-	25	-	-	23	6	14
25 to 34 years	7	5	158	21	-	124	61	59
35 to 44 years	14	9	182	23	1	152	98	111
45 to 54 years	12	14	192	35	-	197	73	132
55 to 64 years	6	26	154	27	3	225	127	111
65 years and over	5	7	82	26	-	112	59	77
Average age	46.1	53.5	46.6	50.7	52.8	49.4	50.1	49.5
TYPE OF ORGANIZATION								
Individual or family (sole proprietorship) farms, 1987	43	52	617	109	4	709	360	423
1982	37	50	667	98	4	822	451	516
acres, 1987	(D)	22 128	91 962	41 484	(D)	209 234	97 276	147 586
1982	10 454	19 254	97 650	38 425	(D)	209 619	117 773	152 341
Partnership farms, 1987	1	7	127	18	-	101	55	68
1982	1	4	153	14	2	136	62	61
acres, 1987	(D)	(D)	(D)	11 903	-	55 992	(D)	(D)
1982	(D)	(D)	38 266	(D)	(D)	65 241	29 575	29 287
Corporation:								
Family held farms, 1987	1	2	39	4	-	19	9	11
1982	3	1	24	2	-	20	13	11
acres, 1987	(D)	(D)	(D)	(D)	-	(D)	(D)	10 108
1982	(D)	(D)	11 355	(D)	-	(D)	4 578	12 182
Other than family held farms, 1987	-	-	9	-	-	2	-	-
1982	-	-	8	-	-	1	1	4
acres, 1987	-	-	(D)	-	-	(D)	-	-
1982	-	-	(D)	-	-	(D)	(D)	547
Other—cooperative, estate or trust, institutional, etc. farms, 1987	-	-	1	1	-	2	-	2
1982	-	-	1	-	-	1	2	-
acres, 1987	-	-	(D)	(D)	-	(D)	-	(D)
1982	-	-	(D)	-	-	(D)	(D)	-
1987 FARM PRODUCTION EXPENSES[1]								
Total farm production expenses farms	45	62	799	133	4	840	417	501
$1,000	1 787	2 154	148 158	8 598	59	51 324	25 892	39 628
Livestock and poultry purchased farms	30	41	353	59	-	200	153	252
$1,000	179	430	15 599	638	-	2 264	4 353	2 055
Feed for livestock and poultry farms	42	38	481	78	3	251	219	298
$1,000	471	208	38 531	580	(D)	2 144	2 206	5 079
Commercially mixed formula feeds farms	35	19	306	41	1	135	161	149
$1,000	322	67	31 406	440	(D)	1 101	1 340	2 360
Seeds, bulbs, plants, and trees farms	37	46	620	122	1	791	366	482
$1,000	29	70	6 649	614	(D)	3 512	1 806	2 246
Commercial fertilizer farms	39	52	682	133	2	794	376	471
$1,000	103	121	4 182	935	(D)	7 616	2 344	4 343
Agricultural chemicals farms	36	37	674	122	1	799	362	453
$1,000	29	49	4 114	631	(D)	3 993	1 274	2 675
Petroleum products farms	44	59	789	133	4	831	411	487
$1,000	90	134	4 634	565	9	3 246	1 742	2 273
Electricity farms	38	59	743	124	3	709	382	418
$1,000	57	43	2 478	188	1	712	580	934
Hired farm labor farms	26	22	500	74	1	362	151	280
$1,000	170	191	24 490	1 020	(D)	2 804	2 379	3 026
Contract labor farms	1	4	141	21	-	80	7	35
$1,000	(D)	(D)	5 519	(D)	-	447	(D)	185
Repair and maintenance farms	36	58	755	133	3	783	362	459
$1,000	117	206	5 580	751	7	3 926	1 813	2 671
Customwork, machine hire, and rental of machinery and equipment farms	27	10	395	47	1	294	206	236
$1,000	32	19	2 028	(D)	(D)	761	(D)	686
Interest farms	35	32	562	87	1	547	204	357
$1,000	171	193	8 358	777	(D)	5 565	1 665	5 020
Cash rent farms	10	24	304	80	-	387	250	238
$1,000	(D)	(D)	2 761	381	-	4 694	1 104	2 511
Property taxes farms	45	61	778	132	4	762	386	478
$1,000	104	180	4 352	415	9	4 733	1 497	2 516
All other farm production expenses farms	45	62	799	133	4	839	417	501
$1,000	205	256	18 882	921	10	4 706	2 829	3 407

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item		Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
OPERATOR CHARACTERISTICS—Con.									
Operators by days of work off farm—Con.									
Any—Con.									
150 to 199 days	1987	39	5	29	17	36	22	5	3
	1982	35	1	43	39	39	31	3	-
200 days or more	1987	151	4	181	169	134	135	31	11
	1982	164	4	187	175	181	167	40	7
Not reported	1987	86	-	39	35	24	31	5	1
	1982	111	1	50	91	58	41	12	2
1987 operators by years on present farm:									
2 years or less		27	2	19	11	17	15	6	3
3 or 4 years		40	-	17	22	30	23	1	4
5 to 9 years		99	4	58	71	90	66	14	3
10 years or more		657	15	393	486	383	341	82	35
Average years on present farm		23.5	16.0	24.1	23.9	19.8	22.5	22.1	21.2
Not reported		149	2	85	111	62	60	24	10
1987 operators by age group:									
Under 25 years		27	-	15	19	6	12	1	1
25 to 34 years		141	5	71	108	67	62	13	4
35 to 44 years		204	1	127	146	107	114	26	12
45 to 54 years		221	11	114	157	142	112	21	16
55 to 64 years		245	3	142	187	149	116	37	13
65 years and over		134	3	103	84	111	90	29	9
Average age		49.2	48.9	50.5	48.9	51.7	50.4	52.6	50.3
TYPE OF ORGANIZATION									
Individual or family (sole proprietorship)	farms, 1987	803	22	494	547	481	401	99	51
	1982	973	14	595	718	581	505	103	64
	acres, 1987	271 772	(D)	154 687	175 505	102 487	117 371	11 057	14 722
	1982	298 218	(D)	160 070	215 120	113 727	136 559	19 682	19 031
Partnership	farms, 1987	135	1	73	95	66	77	6	3
	1982	164	1	92	118	77	101	26	5
	acres, 1987	(D)	(D)	43 025	69 094	20 421	(D)	2 320	(D)
	1982	78 077	(D)	(D)	55 194	15 762	39 539	3 877	(D)
Corporation:									
Family held	farms, 1987	29	-	4	57	23	23	22	1
	1982	17	-	5	47	24	20	19	2
	acres, 1987	26 545	-	(D)	(D)	(D)	6 322	2 247	(D)
	1982	17 408	-	(D)	(D)	25 551	(D)	(D)	(D)
Other than family held	farms, 1987	3	-	1	1	7	4	-	-
	1982	1	-	-	1	4	2	-	-
	acres, 1987	1 150	-	(D)	(D)	(D)	70	-	-
	1982	(D)	-	-	(D)	(D)	(D)	-	-
Other—cooperative, estate or trust, institutional, etc.	farms, 1987	2	-	-	1	5	1	-	-
	1982	2	-	-	2	1	2	3	-
	acres, 1987	(D)	-	-	(D)	(D)	(D)	-	-
	1982	(D)	-	-	(D)	(D)	(D)	(D)	-
1987 FARM PRODUCTION EXPENSES[1]									
Total farm production expenses	farms	968	23	573	704	579	507	126	48
	$1,000	75 861	748	31 220	61 280	54 231	40 178	12 032	2 138
Livestock and poultry purchased	farms	372	10	208	173	148	241	10	14
	$1,000	5 252	61	1 515	2 279	2 040	4 692	50	73
Feed for livestock and poultry	farms	591	21	280	264	206	290	17	43
	$1,000	7 726	78	3 019	4 992	4 787	3 468	116	518
Commercially mixed formula feeds	farms	467	4	171	176	104	164	5	31
	$1,000	4 772	26	1 510	3 425	2 249	2 192	102	390
Seeds, bulbs, plants, and trees	farms	906	13	521	683	384	456	99	43
	$1,000	4 412	31	1 635	3 771	2 881	1 971	1 074	83
Commercial fertilizer	farms	882	18	517	674	515	458	88	42
	$1,000	9 711	68	3 803	9 533	3 277	4 057	525	118
Agricultural chemicals	farms	849	11	514	657	524	449	105	47
	$1,000	3 335	17	2 108	4 070	4 492	1 957	496	61
Petroleum products	farms	959	23	571	687	570	500	124	48
	$1,000	4 456	69	2 087	3 825	2 467	2 191	1 058	112
Electricity	farms	875	22	507	633	514	455	107	48
	$1,000	1 923	24	763	1 053	1 013	830	339	72
Hired farm labor	farms	488	14	253	373	395	211	61	19
	$1,000	5 806	41	1 834	4 736	12 473	4 307	3 661	171
Contract labor	farms	114	2	63	103	140	71	5	7
	$1,000	483	(D)	143	535	2 577	227	37	5
Repair and maintenance	farms	888	20	557	634	562	463	97	48
	$1,000	5 609	75	2 823	4 122	3 326	3 091	737	171
Customwork, machine hire, and rental of machinery and equipment	farms	525	12	230	278	265	214	30	20
	$1,000	1 537	8	420	1 244	1 298	374	47	12
Interest	farms	645	18	383	486	342	310	54	27
	$1,000	6 015	113	3 874	6 087	4 069	3 454	473	178
Cash rent	farms	608	12	296	403	145	307	51	15
	$1,000	4 764	(D)	1 520	6 126	1 288	2 567	344	48
Property taxes	farms	886	23	541	609	556	464	116	47
	$1,000	4 114	49	2 714	3 728	2 165	3 013	561	152
All other farm production expenses	farms	961	23	573	703	579	507	126	48
	$1,000	6 715	97	2 979	5 175	6 079	3 980	2 493	383

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item		Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
MACHINERY AND EQUIPMENT[1]								
Estimated market value of all machinery and equipment	farms, 1987	24 118	67	25	823	137	120	183
	1982	28 399	62	31	962	143	136	212
	$1,000, 1987	1 900 241	2 810	1 217	68 928	9 704	9 339	13 035
	1982	2 180 792	4 524	1 447	68 833	8 290	9 334	19 809
Average per farm	dollars, 1987	78 789	41 937	48 680	83 752	70 834	77 823	71 230
	1982	76 791	72 972	46 686	71 552	57 970	68 630	93 437
Motortrucks, including pickups	farms, 1987	22 490	63	23	763	115	115	174
	1982	26 381	56	30	893	132	135	206
	number, 1987	49 854	99	42	1 620	203	242	379
	1982	51 686	83	48	1 814	204	239	444
Wheel tractors	farms, 1987	23 043	60	23	746	130	114	156
	1982	26 943	62	31	906	134	113	190
	number, 1987	90 684	188	100	2 917	491	432	646
	1982	95 709	167	107	3 250	377	370	711
Grain and bean combines[2]	farms, 1987	13 184	14	9	308	60	40	119
	1982	14 379	19	7	319	61	24	130
	number, 1987	15 784	19	11	366	65	56	146
	1982	15 849	19	7	342	62	26	158
LIVESTOCK AND POULTRY								
Cattle and calves inventory	farms, 1987	10 722	44	21	383	93	48	83
	1982	13 284	61	28	476	106	65	94
	number, 1987	1 043 744	3 763	1 779	40 119	8 079	5 326	7 025
	1982	1 167 528	5 447	1 988	47 637	8 192	6 793	8 063
Cows and heifers that had calved	farms, 1987	8 064	36	17	276	75	40	59
	1982	10 210	46	27	351	89	54	76
	number, 1987	406 057	1 674	625	16 093	3 208	1 805	3 078
	1982	470 629	2 240	910	18 491	3 869	2 425	3 394
Beef cows	farms, 1987	2 692	24	2	75	22	15	14
	1982	3 437	22	6	101	30	23	25
	number, 1987	64 299	(D)	(D)	1 294	649	411	(D)
	1982	79 579	995	97	2 083	817	593	294
Milk cows	farms, 1987	5 759	14	16	214	54	26	51
	1982	7 431	26	24	276	64	33	62
	number, 1987	341 758	(D)	(D)	14 799	2 559	1 394	(D)
	1982	391 050	1 245	813	16 408	3 052	1 832	3 100
Heifers and heifer calves	farms, 1987	8 137	32	17	276	80	37	64
	number, 1987	342 209	1 080	678	12 898	3 086	2 170	2 550
Steers, steer calves, bulls, and bull calves	farms, 1987	6 682	36	20	296	79	38	72
	number, 1987	295 478	1 009	476	11 128	1 785	1 351	1 397
Cattle and calves sold	farms, 1987	10 741	54	21	382	98	47	79
	1982	13 056	63	28	471	107	62	92
	number, 1987	602 829	2 834	728	27 885	3 793	2 436	1 977
	1982	573 868	2 878	920	27 880	2 915	3 240	3 112
Calves	farms, 1987	5 644	27	14	233	60	25	42
	number, 1987	166 047	648	180	15 258	1 256	540	674
Cattle	farms, 1987	9 825	51	20	337	92	44	67
	1982	11 978	55	27	427	98	56	83
	number, 1987	436 782	2 186	548	12 627	2 537	1 896	1 303
	1982	422 922	2 184	629	15 184	1 772	2 525	1 905
Fattened on grain and concentrates	farms, 1987	3 949	9	4	127	21	9	25
	number, 1987	288 132	86	17	6 992	250	941	561
Hogs and pigs inventory	farms, 1987	3 527	4	-	185	11	10	14
	1982	4 169	6	2	247	14	14	20
	number, 1987	1 184 269	(D)	-	105 511	617	2 362	5 462
	1982	1 007 780	(D)	(D)	92 577	972	1 081	3 666
Used or to be used for breeding	farms, 1987	2 435	-	-	97	8	8	9
	1982	2 843	3	-	141	7	9	9
	number, 1987	175 043	-	-	11 885	140	297	(D)
	1932	143 429	39	-	7 919	191	197	307
Other	farms, 1937	3 357	4	-	179	10	10	14
	1982	3 949	5	2	235	12	12	19
	number, 1987	1 009 226	(D)	-	93 526	477	2 065	(D)
	1982	864 351	(D)	(D)	84 658	781	884	3 359
Hogs and pigs sold	farms, 1987	3 677	3	-	194	11	10	16
	1982	4 306	4	-	261	10	13	20
	number, 1987	2 160 538	(D)	-	227 901	1 515	2 758	10 381
	1982	1 666 958	433	-	175 723	1 087	1 588	5 674
Feeder pigs	farms, 1987	1 007	-	-	46	4	4	4
	1982	1 218	1	-	72	4	6	3
	number, 1987	442 296	-	-	41 448	809	(D)	(D)
	1982	355 848	(D)	-	39 231	502	800	565
Sheep and lambs inventory	farms, 1987	720	2	3	20	4	2	1
	1982	897	4	1	29	3	5	2
	number, 1987	60 443	(D)	(D)	938	(D)	(D)	(D)
	1982	67 479	117	(D)	1 212	(D)	124	(D)
Sheep and lambs sold	farms, 1987	709	2	3	19	4	1	1
	1982	829	4	1	22	3	3	2
	number, 1987	49 391	(D)	(D)	688	348	(D)	(D)
	1982	59 840	89	(D)	1 039	(D)	112	(D)
Hens and pullets of laying age inventory	farms, 1987	1 052	3	-	31	11	9	8
	1982	1 732	6	1	74	14	11	16
	number, 1987	7 079 146	(D)	-	903 010	227	(D)	2 430
	1982	6 462 136	(D)	(D)	1 116 178	(D)	(D)	(D)
Broilers and other meat-type chickens sold	farms, 1987	178	-	-	3	-	-	1
	1982	194	-	-	5	1	1	2
	number, 1987	664 443	-	-	(D)	-	-	(D)
	1982	563 215	-	-	(D)	(D)	(D)	(D)

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item		Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
MACHINERY AND EQUIPMENT[1]								
Estimated market value of all machinery and equipment	farms, 1987	20	333	564	54	697	516	484
	1982	16	455	653	58	757	638	639
	$1,000, 1987	1 050	23 720	47 280	2 679	47 328	37 750	33 025
	1982	691	28 059	62 512	3 857	51 015	45 447	49 406
Average per farm	dollars, 1987	52 493	71 230	83 830	49 604	67 902	73 160	68 233
	1982	43 201	61 668	95 730	66 502	67 362	71 234	77 318
Motortrucks, including pickups	farms, 1987	20	325	530	54	637	465	474
	1982	16	419	601	58	744	551	617
	number, 1987	39	647	1 444	115	1 617	852	964
	1982	28	711	1 423	130	1 701	853	1 147
Wheel tractors	farms, 1987	20	316	526	52	680	481	459
	1982	16	439	623	58	698	567	613
	number, 1987	57	1 153	2 028	200	2 905	1 738	1 777
	1982	48	1 395	2 251	210	2 844	1 932	2 168
Grain and bean combines[2]	farms, 1987	13	195	422	7	262	333	289
	1982	7	173	438	3	225	360	417
	number, 1987	13	213	548	7	294	351	318
	1982	8	181	485	(D)	245	407	428
LIVESTOCK AND POULTRY								
Cattle and calves inventory	farms, 1987	20	199	57	16	130	225	241
	1982	14	271	78	14	150	301	325
	number, 1987	988	20 623	3 917	1 185	6 042	19 161	21 212
	1982	1 002	24 176	3 963	1 207	5 760	21 205	26 942
Cows and heifers that had calved	farms, 1987	19	170	36	12	89	163	195
	1982	14	223	48	10	104	224	259
	number, 1987	556	9 576	1 494	279	2 440	5 858	7 720
	1982	517	11 472	1 567	314	2 517	6 862	10 372
Beef cows	farms, 1987	5	60	12	10	54	74	100
	1982	4	74	15	6	55	108	136
	number, 1987	176	1 837	170	(D)	807	1 367	1 930
	1982	103	1 956	91	186	810	1 560	3 125
Milk cows	farms, 1987	16	117	26	2	40	99	107
	1982	12	164	36	4	52	128	134
	number, 1987	380	7 739	1 324	(D)	1 633	4 491	5 790
	1982	414	9 516	1 476	128	1 707	5 302	7 247
Heifers and heifer calves	farms, 1987	19	165	36	14	85	161	194
	number, 1987	321	6 841	1 524	245	2 233	4 955	6 347
Steers, steer calves, bulls, and bull calves	farms, 1987	16	149	44	16	114	196	208
	number, 1987	111	4 206	899	661	1 369	8 348	7 145
Cattle and calves sold	farms, 1987	20	201	56	16	119	216	243
	1982	15	263	73	13	136	277	315
	number, 1987	444	9 855	1 319	981	2 926	12 051	10 736
	1982	438	9 385	1 325	609	2 056	15 155	14 942
Calves	farms, 1987	14	128	26	5	47	106	95
	number, 1987	151	4 028	446	37	558	1 592	1 560
Cattle	farms, 1987	20	183	51	15	110	194	227
	1982	15	229	65	13	125	259	276
	number, 1987	293	5 827	873	944	2 368	10 459	9 176
	1982	250	5 246	963	573	1 551	13 744	9 745
Fattened on grain and concentrates	farms, 1987	-	52	27	11	61	96	127
	number, 1987	-	2 408	443	758	846	8 340	6 011
Hogs and pigs inventory	farms, 1987	-	54	17	4	92	155	101
	1982	-	60	35	1	100	173	122
	number, 1987	-	16 724	1 504	(D)	20 602	54 419	33 690
	1982	-	11 947	2 533	(D)	20 761	40 110	26 508
Used or to be used for breeding	farms, 1987	-	42	9	3	64	130	72
	1982	-	40	17	1	78	127	89
	number, 1987	-	2 200	211	(D)	2 944	8 532	4 569
	1982	-	1 345	217	(D)	2 467	6 426	3 722
Other	farms, 1987	-	52	16	4	90	149	96
	1982	-	57	35	1	97	161	116
	number, 1987	-	14 524	1 293	(D)	17 658	45 886	29 121
	1982	-	10 602	2 316	(D)	18 294	33 684	22 786
Hogs and pigs sold	farms, 1987	-	56	20	4	100	164	104
	1982	-	64	38	2	100	184	131
	number, 1987	-	25 859	3 780	(D)	49 662	87 211	62 031
	1982	-	16 472	4 984	(D)	39 431	62 859	43 577
Feeder pigs	farms, 1987	-	15	3	1	24	48	33
	1982	-	18	9	-	35	49	25
	number, 1987	-	7 567	(D)	(D)	8 461	15 806	8 196
	1982	-	4 175	1 223	-	5 409	7 888	2 867
Sheep and lambs inventory	farms, 1987	-	7	1	-	7	23	22
	1982	-	9	1	1	7	29	36
	number, 1987	-	643	(D)	-	58	1 592	1 236
	1982	-	537	(D)	(D)	159	2 501	2 147
Sheep and lambs sold	farms, 1987	-	7	1	-	8	23	21
	1982	-	7	-	-	5	29	37
	number, 1987	-	652	(D)	-	77	1 380	812
	1982	-	(D)	-	-	147	3 945	2 375
Hens and pullets of laying age inventory	farms, 1987	-	4	9	-	24	25	25
	1982	1	31	25	-	27	46	37
	number, 1987	-	75	1 119	-	(D)	(D)	79 830
	1982	(D)	(D)	(D)	-	(D)	12 048	(D)
Broilers and other meat-type chickens sold	farms, 1987	-	-	3	-	2	3	6
	1982	-	2	4	-	1	5	1
	number, 1987	-	-	(D)	-	(D)	590	(D)
	1982	-	(D)	616	-	(D)	1 433	(D)

See footnotes at end of table.

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Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
MACHINERY AND EQUIPMENT[1]							
Estimated market value of all machinery and equipment .... farms, 1987	433	63	52	124	103	694	4
1982	528	66	35	130	122	807	2
$1,000, 1987	34 454	4 495	4 945	7 068	5 518	51 609	118
1982	36 947	4 953	2 394	7 357	9 361	54 419	(D)
Average per farm .... dollars, 1987	79 570	71 354	95 099	57 000	53 572	74 364	29 500
1982	69 975	75 040	68 399	56 592	76 731	67 434	(D)
Motortrucks, including pickups .... farms, 1987	411	62	46	107	75	657	4
1982	504	65	35	127	110	766	1
number, 1987	876	121	101	166	118	1 099	7
1982	1 005	119	70	205	177	1 192	(D)
Wheel tractors .... farms, 1987	425	56	52	107	98	687	4
1982	501	64	34	114	117	734	2
number, 1987	1 464	244	218	379	301	2 528	7
1982	1 693	243	119	420	388	2 515	(D)
Grain and bean combines[2] .... farms, 1987	200	29	21	74	37	481	-
1982	229	4	18	76	56	455	1
number, 1987	225	43	28	84	37	581	-
1982	268	4	18	84	56	484	(D)
LIVESTOCK AND POULTRY							
Cattle and calves inventory .... farms, 1987	141	42	43	89	96	327	3
1982	190	55	46	95	95	416	1
number, 1987	8 476	3 336	5 442	6 925	9 597	37 468	(D)
1982	11 156	4 122	4 730	6 429	12 101	37 815	(D)
Cows and heifers that had calved .... farms, 1987	102	39	37	78	76	218	3
1982	135	49	42	89	79	290	-
number, 1987	3 738	1 777	2 651	2 871	3 976	16 123	(D)
1982	4 821	2 024	2 296	3 235	4 817	16 082	-
Beef cows .... farms, 1987	63	14	23	31	36	47	3
1982	79	15	21	35	33	78	-
number, 1987	1 763	601	1 095	1 013	1 318	915	(D)
1982	2 284	429	555	941	1 868	1 119	-
Milk cows .... farms, 1987	47	26	16	53	50	177	-
1982	62	37	25	68	57	222	-
number, 1987	1 975	1 178	1 556	1 858	2 658	15 208	-
1982	2 537	1 595	1 741	2 294	2 949	14 963	-
Heifers and heifer calves .... farms, 1987	96	35	36	75	80	236	3
number, 1987	2 732	1 032	1 768	2 518	3 373	13 124	(D)
Steers, steer calves, bulls, and bull calves .... farms, 1987	126	38	37	75	82	259	3
number, 1987	2 006	527	1 023	1 536	2 248	8 221	(D)
Cattle and calves sold .... farms, 1987	135	43	43	92	98	317	3
1982	173	54	47	97	93	405	2
number, 1987	7 006	1 551	2 242	3 315	5 127	16 245	(D)
1982	6 362	1 563	1 823	2 545	5 244	13 825	(D)
Calves .... farms, 1987	48	29	24	52	51	164	3
number, 1987	2 704	640	763	805	1 466	4 973	(D)
Cattle .... farms, 1987	123	38	40	89	93	297	3
1982	162	51	40	91	88	374	2
number, 1987	4 302	911	1 479	2 510	3 661	11 272	(D)
1982	4 335	934	931	1 429	4 248	9 535	(D)
Fattened on grain and concentrates .... farms, 1987	71	11	9	13	23	143	-
number, 1987	2 386	190	455	118	871	6 170	-
Hogs and pigs inventory .... farms, 1987	174	4	11	14	22	108	-
1982	214	8	6	16	25	148	-
number, 1987	166 731	958	307	330	7 348	30 719	-
1982	119 294	798	120	549	5 626	27 940	-
Used or to be used for breeding .... farms, 1987	153	3	7	8	10	88	-
1982	186	7	2	11	16	117	-
number, 1987	38 087	102	55	132	1 186	3 793	-
1982	34 806	138	(D)	122	1 176	3 299	-
Other .... farms, 1987	167	4	11	14	22	101	-
1982	192	7	6	10	22	143	-
number, 1987	128 644	856	252	198	6 162	26 926	-
1982	114 488	660	(D)	427	4 450	24 641	-
Hogs and pigs sold .... farms, 1987	180	4	9	10	21	119	-
1982	231	9	5	15	24	158	-
number, 1987	287 510	1 190	387	1 201	11 434	51 559	-
1982	225 899	829	311	1 056	7 889	41 394	-
Feeder pigs .... farms, 1987	34	2	4	5	7	21	-
1982	60	-	-	6	11	27	-
number, 1987	28 423	(D)	192	525	(D)	(D)	-
1982	27 794	-	-	346	2 307	4 011	-
Sheep and lambs inventory .... farms, 1987	23	2	4	14	5	26	2
1982	39	3	1	11	7	25	-
number, 1987	1 618	(D)	121	1 066	614	2 313	(D)
1982	2 103	(D)	(D)	835	1 112	2 993	-
Sheep and lambs sold .... farms, 1987	22	3	4	13	8	26	2
1982	35	2	1	10	6	20	-
number, 1987	1 405	(D)	88	1 129	681	1 874	(D)
1982	1 294	(D)	(D)	624	805	2 958	-
Hens and pullets of laying age inventory .... farms, 1987	15	5	12	4	6	11	2
1982	26	6	9	14	5	33	-
number, 1987	(D)	(D)	392	(D)	(D)	(D)	(D)
1982	(D)	(D)	737	(D)	104	(D)	-
Broilers and other meat-type chickens sold .... farms, 1987	2	-	2	-	2	2	-
1982	4	-	-	-	-	4	-
number, 1987	(D)	-	(D)	-	(D)	(D)	-
1982	420	-	-	-	-	227	-

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item		Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
MACHINERY AND EQUIPMENT[1]								
Estimated market value of all machinery and equipment	farms, 1987	118	50	526	62	295	140	9
	1982	131	54	663	66	394	156	15
	$1,000, 1987	7 903	6 072	36 358	4 071	22 468	5 518	450
	1982	9 234	5 051	46 158	3 470	34 962	7 246	670
Average per farm	dollars, 1987	68 129	121 444	69 122	65 655	76 163	39 416	49 965
	1982	70 [illegible]57	93 542	69 620	51 030	88 736	46 449	44 663
Motortrucks, including pickups	farms, 1987	114	50	494	59	281	117	7
	1982	129	53	621	68	388	154	11
	number, 1987	247	147	1 017	100	661	150	19
	1982	224	150	1 105	130	839	233	14
Wheel tractors	farms, 1987	108	48	518	61	294	140	9
	1982	123	54	640	68	366	142	15
	number, 1987	473	197	1 867	241	1 047	351	33
	1982	438	195	1 963	215	1 447	469	43
Grain and bean combines[2]	farms, 1987	62	20	314	39	182	94	3
	1982	64	23	374	22	288	74	4
	number, 1987	66	21	389	39	214	97	3
	1982	74	23	409	22	325	90	4
LIVESTOCK AND POULTRY								
Cattle and calves inventory	farms, 1987	95	36	232	45	108	102	6
	1982	94	42	304	45	154	117	12
	number, 1987	6 892	2 333	15 953	4 275	12 983	6 306	249
	1982	7 168	2 864	19 740	4 816	16 034	6 859	(D)
Cows and heifers that had calved	farms, 1987	78	34	188	40	69	91	6
	1982	86	41	240	42	104	97	12
	number, 1987	3 718	1 209	6 683	2 165	3 210	2 670	144
	1982	3 619	1 518	8 624	2 140	5 324	2 466	(D)
Beef cows	farms, 1987	29	15	85	22	40	34	1
	1982	32	15	111	20	57	46	4
	number, 1987	1 115	(D)	1 702	1 036	592	916	(D)
	1982	1 031	(D)	2 709	984	924	761	(D)
Milk cows	farms, 1987	58	20	111	23	32	60	6
	1982	65	29	147	27	52	57	10
	number, 1987	2 603	(D)	4 981	1 129	2 618	1 754	(D)
	1982	2 588	(D)	5 915	1 156	4 400	1 705	171
Heifers and heifer calves	farms, 1987	75	33	190	41	63	87	6
	number, 1987	2 290	923	5 454	1 249	1 871	1 982	70
Steers, steer calves, bulls, and bull calves	farms, 1987	67	26	199	40	84	87	5
	number, 1987	884	201	3 816	861	7 902	1 654	35
Cattle and calves sold	farms, 1987	87	37	224	45	108	105	6
	1982	92	42	295	46	145	121	12
	number, 1987	2 732	874	7 543	1 874	10 964	2 659	78
	1982	2 765	915	8 298	1 473	11 146	2 937	192
Calves	farms, 1987	64	25	124	26	45	66	4
	number, 1987	1 204	444	2 236	686	814	720	31
Cattle	farms, 1987	82	34	201	40	99	94	5
	1982	91	35	280	44	134	111	11
	number, 1987	1 528	430	5 307	1 188	10 150	1 939	47
	1982	1 519	346	6 133	863	9 883	2 264	91
Fattened on grain and concentrates	farms, 1987	13	3	60	6	51	31	-
	number, 1987	144	(D)	2 742	106	9 141	944	-
Hogs and pigs inventory	farms, 1987	5	6	73	6	47	42	-
	1982	13	6	85	5	42	35	1
	number, 1987	1 589	359	24 287	218	13 718	2 547	-
	1982	1 114	154	18 257	(D)	11 424	2 877	(D)
Used or to be used for breeding	farms, 1987	5	4	52	2	30	37	-
	1982	6	4	57	2	29	27	-
	number, 1987	202	102	2 957	(D)	1 864	691	-
	1982	(D)	(D)	2 164	(D)	997	409	-
Other	farms, 1987	5	6	68	6	46	36	-
	1982	11	5	80	5	41	31	1
	number, 1987	1 387	257	21 330	(D)	11 854	1 856	-
	1982	(D)	(D)	16 093	(D)	10 427	2 468	(D)
Hogs and pigs sold	farms, 1987	7	5	78	6	48	44	-
	1982	12	4	85	4	50	39	-
	number, 1987	2 015	(D)	40 176	651	22 902	7 826	-
	1982	1 523	(D)	26 291	377	19 347	4 814	-
Feeder pigs	farms, 1987	2	4	26	1	13	20	-
	1982	4	1	26	2	13	20	-
	number, 1987	(D)	(D)	10 172	(D)	4 945	4 122	-
	1982	(D)	(D)	6 935	(D)	2 638	2 579	-
Sheep and lambs inventory	farms, 1987	-	-	17	2	8	10	-
	1982	1	1	34	2	17	7	-
	number, 1987	-	-	1 536	(D)	453	380	-
	1982	(D)	(D)	2 338	(D)	559	253	-
Sheep and lambs sold	farms, 1987	-	-	17	2	9	8	-
	1982	1	1	34	1	17	7	-
	number, 1987	-	-	1 480	(D)	474	515	-
	1982	(D)	(D)	2 356	(D)	343	226	-
Hens and pullets of laying age inventory	farms, 1967	4	2	19	3	12	30	-
	1982	11	2	38	5	28	18	-
	number, 1987	(D)	(D)	27 865	(D)	(D)	(D)	-
	1982	(D)	(D)	51 709	440	(D)	1 381	-
Broilers and other meat-type chickens sold	farms, 1987	-	-	1	-	1	9	-
	1982	-	-	2	-	2	1	-
	number, 1987	-	-	(D)	-	(D)	2 560	-
	1982	-	-	(D)	-	(D)	(D)	-

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
MACHINERY AND EQUIPMENT[1]								
Estimated market value of all machinery and equipment farms, 1987	216	621	543	38	1 060	406	551	54
1982	218	788	690	36	1 256	499	648	76
$1,000, 1987	14 394	55 925	36 476	1 911	104 212	38 668	48 760	3 752
1982	18 341	64 601	47 713	1 138	114 557	41 199	50 162	7 955
Average per farm dollars, 1987	66 639	90 056	67 174	50 292	98 313	95 240	88 493	69 487
1982	84 131	81 981	69 149	31 601	91 208	82 563	77 411	104 674
Motortrucks, including pickups farms, 1987	194	587	482	35	989	362	545	54
1982	201	744	632	30	1 145	481	630	61
number, 1987	409	1 577	885	80	2 389	901	1 087	76
1982	386	1 697	1 132	84	2 174	906	1 038	95
Wheel tractors farms, 1987	203	568	508	33	1 027	406	537	54
1982	217	755	677	36	1 174	482	632	76
number, 1987	790	2 275	1 783	114	4 520	1 819	2 313	210
1982	845	2 572	2 170	129	4 642	1 829	2 169	256
Grain and bean combines[2] farms, 1987	27	444	323	24	815	255	327	41
1982	22	474	436	10	935	255	282	44
number, 1987	31	572	362	28	995	323	418	49
1982	24	523	478	10	1 040	277	319	46
LIVESTOCK AND POULTRY								
Cattle and calves inventory farms, 1987	62	223	270	28	529	211	329	59
1982	61	285	343	37	672	267	401	60
number, 1987	4 003	28 674	24 432	1 581	72 829	23 721	36 315	7 616
1982	5 179	26 269	29 130	1 737	75 417	23 786	35 406	8 858
Cows and heifers that had calved farms, 1987	43	156	186	22	338	154	228	56
1982	45	200	235	34	462	205	278	52
number, 1987	1 662	8 953	8 402	801	18 363	10 404	14 677	2 594
1982	1 973	10 799	11 936	938	22 106	10 956	14 587	3 153
Beef cows farms, 1987	25	46	58	7	39	51	54	31
1982	24	56	71	5	75	66	83	29
number, 1987	(D)	858	961	156	1 080	1 741	1 231	1 162
1982	635	2 098	2 239	40	2 824	1 204	1 430	1 674
Milk cows farms, 1987	21	113	131	17	312	107	182	29
1982	24	152	176	34	410	153	208	29
number, 1987	(D)	8 095	7 441	645	17 283	8 663	13 446	1 432
1982	1 338	8 701	9 697	698	19 282	9 752	13 157	1 479
Heifers and heifer calves farms, 1987	39	155	194	22	355	173	236	54
number, 1987	1 154	9 478	8 243	604	21 256	9 018	12 509	2 596
Steers, steer calves, bulls, and bull calves farms, 1987	50	176	227	23	459	170	269	50
number, 1987	1 187	10 243	7 787	176	33 210	4 302	9 129	2 426
Cattle and calves sold farms, 1987	59	227	264	26	542	210	329	59
1982	62	270	332	37	672	267	393	60
number, 1987	1 992	19 017	16 814	653	67 029	9 737	15 390	5 223
1982	2 286	15 052	15 445	673	52 087	8 069	12 854	5 318
Calves farms, 1987	20	118	118	20	178	92	149	34
number, 1987	334	3 387	3 084	293	3 936	2 454	4 662	654
Cattle farms, 1987	55	212	241	24	491	195	293	55
1982	60	242	306	36	626	255	361	53
number, 1987	1 658	15 630	13 730	360	63 093	7 283	10 728	4 569
1982	1 738	12 480	12 146	350	48 118	5 259	9 204	4 938
Fattened on grain and concentrates farms, 1987	22	102	125	1	265	77	141	11
number, 1987	894	11 509	10 570	(D)	54 927	2 682	5 592	(D)
Hogs and pigs inventory farms, 1987	20	92	141	2	98	80	104	6
1982	22	94	145	1	120	86	112	13
number, 1987	3 697	20 876	41 739	(D)	43 981	26 673	34 115	(D)
1982	2 655	17 067	35 624	(D)	33 678	22 353	24 812	2 070
Used or to be used for breeding farms, 1987	11	59	94	1	47	55	63	4
1982	13	55	101	1	56	64	73	9
number, 1987	285	2 176	5 387	(D)	4 216	3 488	5 039	(D)
1982	273	1 659	4 151	(D)	2 932	2 327	3 580	273
Other farms, 1987	20	91	135	2	95	73	99	6
1982	22	89	136	1	119	79	104	12
number, 1987	3 412	18 700	36 352	(D)	39 765	23 185	29 076	(D)
1982	2 382	15 408	31 473	(D)	30 746	20 026	21 232	1 797
Hogs and pigs sold farms, 1987	24	93	153	1	105	83	105	6
1982	22	98	152	1	124	86	120	11
number, 1987	5 902	31 058	83 075	(D)	96 575	48 089	58 294	(D)
1982	3 035	25 654	69 425	(D)	62 166	34 855	35 732	2 851
Feeder pigs farms, 1987	9	20	36	1	19	19	24	2
1982	3	16	59	1	28	21	26	6
number, 1987	(D)	4 059	18 026	(D)	30 709	6 387	7 370	(D)
1982	(D)	3 737	18 973	(D)	19 232	3 047	2 780	561
Sheep and lambs inventory farms, 1987	2	14	25	1	11	19	14	4
1982	-	19	41	-	8	23	22	5
number, 1987	(D)	588	789	(D)	208	2 402	1 222	123
1982	-	494	2 714	-	84	4 443	1 724	326
Sheep and lambs sold farms, 1987	2	13	24	1	13	18	14	6
1982	1	16	38	-	9	24	21	5
number, 1987	(D)	340	929	(D)	185	1 472	822	219
1982	(D)	402	1 812	-	67	2 912	1 426	177
Hens and pullets of laying age inventory farms, 1987	10	22	26	4	42	15	11	8
1982	10	25	38	4	64	34	33	4
number, 1987	406	(D)	(D)	(D)	(D)	23 068	(D)	(D)
1982	(D)	(D)	(D)	10 650	1 261 602	19 301	(D)	(D)
Broilers and other meat-type chickens sold farms, 1987	-	5	7	-	6	2	1	2
1982	-	3	10	-	13	8	5	1
number, 1987	-	142	610	-	(D)	(D)	(D)	(D)
1982	-	(D)	1 894	-	1 765	510	755	(D)

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
MACHINERY AND EQUIPMENT[1]								
Estimated market value of all machinery and equipment .... farms, 1987	25	455	404	389	23	617	-	18
1982	33	505	498	448	31	717	-	30
$1,000, 1987	1 951	29 955	32 449	30 777	1 510	48 020	-	881
1982	1 833	36 257	37 580	31 551	2 607	52 081	-	1 730
Average per farm .... dollars, 1987	78 052	65 835	80 320	79 118	65 665	77 828	-	48 920
1982	55 554	71 797	75 461	70 426	84 112	72 638	-	57 660
Motortrucks, including pickups .... farms, 1987	23	411	343	354	21	580	-	18
1982	29	455	477	429	27	682	-	24
number, 1987	53	817	731	812	53	1 351	-	25
1982	85	764	983	876	49	1 328	-	34
Wheel tractors .... farms, 1987	23	427	381	365	21	589	-	18
1982	30	483	459	419	31	674	-	27
number, 1987	97	1 544	1 460	1 221	91	2 509	-	60
1982	101	1 676	1 692	1 288	124	2 507	-	82
Grain and bean combines[2] .... farms, 1987	16	224	197	149	11	205	-	5
1982	14	299	278	199	13	235	-	15
number, 1987	18	292	204	180	13	245	-	5
1982	14	348	297	222	13	247	-	16
LIVESTOCK AND POULTRY								
Cattle and calves inventory .... farms, 1987	18	255	210	110	12	289	-	19
1982	25	290	263	165	18	363	-	23
number, 1987	1 412	29 206	25 639	11 631	732	31 399	-	1 248
1982	1 606	31 650	29 769	15 961	881	34 754	-	1 379
Cows and heifers that had calved .... farms, 1987	18	202	149	76	12	219	-	19
1982	23	244	211	114	12	286	-	18
number, 1987	861	12 253	8 982	3 905	430	14 421	-	592
1982	1 071	12 254	10 576	4 829	404	15 039	-	680
Beef cows .... farms, 1987	9	67	68	45	3	71	-	12
1982	16	77	109	65	5	88	-	8
number, 1987	(D)	2 371	2 494	1 081	82	2 126	-	230
1982	804	1 288	2 823	1 367	68	1 603	-	183
Milk cows .... farms, 1987	11	156	85	35	9	163	-	9
1982	13	183	109	52	10	212	-	14
number, 1987	(D)	9 882	6 488	2 824	348	12 295	-	362
1982	267	10 966	7 753	3 462	336	13 436	-	497
Heifers and heifer calves .... farms, 1987	14	203	148	69	11	230	-	17
number, 1987	393	9 228	6 820	2 901	261	11 159	-	406
Steers, steer calves, bulls, and bull calves .... farms, 1987	14	203	176	91	8	221	-	17
number, 1987	158	7 725	9 837	4 825	41	5 819	-	250
Cattle and calves sold .... farms, 1987	19	255	212	103	13	299	-	19
1982	25	297	266	156	21	368	-	22
number, 1987	820	13 481	15 846	8 386	283	15 693	-	702
1982	914	14 439	16 392	9 687	378	13 975	-	464
Calves .... farms, 1987	13	140	89	42	9	164	-	8
number, 1987	239	2 719	2 102	1 494	115	5 922	-	125
Cattle .... farms, 1987	17	232	135	94	11	275	-	19
1982	19	270	243	146	19	332	-	22
number, 1987	581	10 762	13 744	6 892	168	9 771	-	577
1982	482	12 004	14 002	8 726	267	9 212	-	270
Fattened on grain and concentrates .... farms, 1987	3	96	110	46	3	117	-	4
number, 1987	43	5 313	9 200	4 398	19	4 330	-	143
Hogs and pigs inventory .... farms, 1987	3	77	107	59	7	63	-	6
1982	3	73	114	93	7	84	-	4
number, 1987	33	18 197	56 141	24 388	1 105	16 098	-	220
1982	(D)	14 568	16 333	29 030	(D)	15 577	-	(D)
Used or to be used for breeding .... farms, 1987	2	57	73	37	7	49	-	4
1982	1	60	77	70	6	64	-	3
number, 1987	(D)	2 517	6 946	3 023	238	2 608	-	(D)
1982	(D)	1 696	1 745	4 413	232	2 330	-	(D)
Other .... farms, 1987	3	69	102	57	7	61	-	6
1982	3	70	109	90	7	83	-	4
number, 1987	(D)	15 680	49 195	21 365	867	13 490	-	(D)
1982	(D)	12 872	14 588	24 617	(D)	13 247	-	(D)
Hogs and pigs sold .... farms, 1987	2	78	114	69	5	67	-	5
1982	2	70	118	102	8	85	-	4
number, 1987	(D)	30 682	94 551	51 639	2 897	25 794	-	509
1982	(D)	25 966	24 641	47 358	(D)	25 843	-	61
Feeder pigs .... farms, 1987	2	18	31	22	3	26	-	3
1982	1	19	34	26	4	30	-	1
number, 1987	(D)	5 767	19 876	7 969	(D)	6 798	-	208
1982	(D)	8 717	3 499	12 628	(D)	6 317	-	(D)
Sheep and lambs inventory .... farms, 1987	3	12	24	16	-	9	-	2
1982	2	4	38	10	-	14	-	1
number, 1987	209	1 566	3 489	2 535	-	402	-	(D)
1982	(D)	(D)	5 173	1 029	-	878	-	(D)
Sheep and lambs sold .... farms, 1987	3	15	24	16	-	10	-	2
1982	2	1	37	10	2	15	-	1
number, 1987	99	2 118	3 213	1 716	-	298	-	(D)
1982	(D)	(D)	5 832	575	(D)	718	-	(D)
Hens and pullets of laying age inventory .... farms, 1987	3	14	19	14	3	12	-	4
1982	4	23	39	30	4	33	-	4
number, 1987	100	(D)	(D)	(D)	(D)	374	-	(D)
1982	608	(D)	(D)	157 879	92	(D)	-	(D)
Broilers and other meat-type chickens sold .... farms, 1987	-	5	-	3	-	4	-	-
1982	-	-	4	5	-	2	-	-
number, 1987	-	(D)	-	(D)	-	570	-	-
1982	-	-	479	387	-	(D)	-	-

See footnotes at end of table.

Table 16. Farms With Sales of $10,000 or More: 1987 and 1982—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
MACHINERY AND EQUIPMENT[1]								
Estimated market value of all machinery and equipment .... farms, 1987	444	209	819	280	15	33	325	72
1982	544	224	956	320	12	41	391	93
$1,000, 1987	41 230	17 748	66 969	21 634	761	1 752	21 882	6 226
1982	44 227	18 245	73 616	22 817	643	2 541	24 683	6 697
Average per farm .... dollars, 1987	92 860	84 918	81 769	77 265	50 747	53 087	67 329	86 471
1982	81 300	81 449	77 005	71 303	53 617	61 976	63 128	72 006
Motortrucks, including pickups .... farms, 1987	409	208	758	272	15	29	306	72
1982	477	201	889	292	12	33	369	80
number, 1987	985	473	1 760	599	41	46	643	183
1982	1 011	481	1 754	578	38	49	760	178
Wheel tractors .... farms, 1987	418	191	809	278	15	32	308	65
1982	517	218	910	318	12	41	379	76
number, 1987	1 881	847	3 076	1 058	43	136	1 264	265
1982	1 969	823	2 948	1 080	41	135	1 361	267
Grain and bean combines[2] .... farms, 1987	242	9	570	119	4	22	113	18
1982	212	22	660	112	5	22	190	5
number, 1987	279	9	638	133	(D)	24	131	21
1982	220	22	712	121	(D)	23	214	7
LIVESTOCK AND POULTRY								
Cattle and calves inventory .... farms, 1987	273	46	234	147	8	29	79	30
1982	340	60	266	206	7	38	136	31
number, 1987	26 558	3 305	28 164	16 991	1 182	3 119	4 776	2 024
1982	30 820	4 740	29 892	21 428	874	3 500	8 907	1 424
Cows and heifers that had calved .... farms, 1987	216	30	143	121	7	27	53	28
1982	272	41	151	159	5	38	114	27
number, 1987	10 651	973	9 101	6 388	323	1 356	2 066	802
1982	12 061	1 250	9 786	8 273	152	1 767	3 511	684
Beef cows .... farms, 1987	57	10	45	41	7	9	22	20
1982	77	16	47	59	5	10	52	20
number, 1987	1 052	(D)	1 443	622	323	380	207	602
1982	1 432	246	1 608	1 089	152	430	617	451
Milk cows .... farms, 1987	169	22	100	85	-	19	33	9
1982	215	28	109	109	-	30	71	9
number, 1987	9 599	(D)	7 658	5 766	-	976	1 859	200
1982	10 629	1 004	8 178	7 184	-	1 337	2 894	233
Heifers and heifer calves .... farms, 1987	227	34	144	125	7	27	53	27
number, 1987	8 621	708	8 745	5 308	332	1 088	1 912	583
Steers, steer calves, bulls, and bull calves .... farms, 1987	213	41	199	125	8	24	51	27
number, 1987	7 286	1 624	10 318	5 295	527	675	798	639
Cattle and calves sold .... farms, 1987	273	45	236	145	9	30	74	31
1982	335	60	253	194	8	38	130	31
number, 1987	14 396	2 936	17 833	10 242	710	1 250	2 102	1 322
1982	15 019	3 718	17 808	11 945	927	1 294	5 418	852
Calves .... farms, 1987	159	24	93	81	1	17	32	13
number, 1987	3 109	358	3 934	3 234	(D)	308	541	246
Cattle .... farms, 1987	246	42	211	134	9	28	74	29
1982	320	57	233	180	8	36	119	29
number, 1987	11 287	2 578	13 899	7 008	(D)	942	1 561	1 076
1982	11 724	3 296	14 110	9 063	(D)	743	4 404	670
Fattened on grain and concentrates .... farms, 1987	96	15	131	49	5	4	38	14
number, 1987	8 468	2 198	11 025	4 302	(D)	79	709	482
Hogs and pigs inventory .... farms, 1987	43	7	136	28	3	3	19	6
1982	83	17	150	45	3	-	24	8
number, 1987	8 396	1 083	36 805	4 768	(D)	(D)	3 611	502
1982	11 952	933	36 898	5 390	238	-	2 848	336
Used or to be used for breeding .... farms, 1987	32	6	86	16	3	3	12	2
1982	55	5	96	35	3	-	12	4
number, 1987	1 079	(D)	4 596	618	(D)	14	534	(D)
1982	1 696	(D)	3 810	739	(D)	-	390	25
Other .... farms, 1987	42	6	129	26	3	2	19	6
1982	77	17	143	40	3	-	23	7
number, 1987	7 317	(D)	32 209	4 150	(D)	(D)	3 077	(D)
1982	10 256	(D)	33 088	4 651	(D)	-	2 458	311
Hogs and pigs sold .... farms, 1987	42	8	146	33	5	3	20	7
1982	81	21	165	47	3	-	26	9
number, 1987	11 724	(D)	74 124	6 711	(D)	(D)	5 737	635
1982	18 345	1 605	63 521	8 831	(D)	-	4 377	351
Feeder pigs .... farms, 1987	12	2	36	8	2	1	9	-
1982	20	5	42	13	1	-	6	4
number, 1987	3 637	(D)	16 662	2 457	(D)	(D)	1 608	-
1982	3 393	(D)	14 633	2 182	(D)	-	1 483	63
Sheep and lambs inventory .... farms, 1987	19	1	27	13	-	2	4	2
1982	25	2	49	24	-	1	10	1
number, 1987	1 141	(D)	3 946	676	-	(D)	239	(D)
1982	1 662	(D)	2 711	1 086	-	(D)	382	(D)
Sheep and lambs sold .... farms, 1987	17	1	27	12	-	3	5	2
1982	21	-	46	25	-	-	8	1
number, 1987	591	(D)	3 750	270	-	(D)	228	(D)
1982	788	-	3 382	1 032	-	-	164	(D)
Hens and pullets of laying age inventory .... farms, 1987	19	10	24	13	2	3	20	5
1982	35	10	45	23	-	6	27	8
number, 1987	3 520	(D)	6 862	(D)	(D)	(D)	12 602	(D)
1982	7 440	(D)	(D)	(D)	-	718	(D)	390
Broilers and other meat-type chickens sold .... farms, 1987	8	-	6	2	-	1	4	1
1982	7	1	2	1	-	-	7	-
number, 1987	1 574	-	(D)	(D)	-	(D)	2 700	(D)
1982	590	(D)	(D)	(D)	-	-	2 745	-

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
MACHINERY AND EQUIPMENT[1]								
Estimated market value of all machinery and equipment farms, 1987	16	193	245	170	194	179	627	467
1982	21	213	252	227	207	210	760	560
$1,000, 1987	1 395	12 374	15 989	13 570	14 733	17 040	47 279	37 633
1982	1 517	15 241	17 347	17 617	19 772	18 266	64 377	50 148
Average per farm dollars, 1987	87 186	64 116	65 260	79 825	75 942	95 198	75 406	80 584
1982	72 243	71 554	68 838	77 606	95 517	86 982	84 707	89 550
Motortrucks, including pickups farms, 1987	13	158	229	156	178	163	614	446
1982	21	180	234	205	204	196	723	493
number, 1987	57	326	402	218	439	304	1 659	1 027
1982	64	342	384	305	455	260	1 692	994
Wheel tractors farms, 1987	12	193	236	169	186	169	603	450
1982	19	212	225	218	207	200	732	529
number, 1987	59	747	795	642	794	624	2 372	1 804
1982	75	826	820	823	665	720	2 457	1 853
Grain and bean combines[2] farms, 1987	6	58	58	82	126	38	403	313
1982	12	45	73	104	140	33	539	278
number, 1987	6	79	65	84	182	38	435	411
1982	13	45	73	106	172	33	608	334
LIVESTOCK AND POULTRY								
Cattle and calves inventory farms, 1987	8	80	181	149	49	159	112	237
1982	13	112	192	206	47	193	152	311
number, 1987	1 103	7 060	14 345	16 931	5 524	21 074	8 156	20 295
1982	1 179	10 480	16 423	18 952	7 577	22 229	8 719	23 139
Cows and heifers that had calved farms, 1987	8	67	165	143	32	143	59	190
1982	13	90	175	196	35	184	62	246
number, 1987	579	3 204	6 708	7 791	747	9 995	1 516	9 306
1982	571	3 947	7 117	8 878	988	10 828	1 624	10 814
Beef cows farms, 1987	3	13	39	26	21	19	25	39
1982	3	23	59	22	24	23	28	55
number, 1987	(D)	197	762	725	344	813	183	579
1982	(D)	227	1 154	804	378	256	439	579
Milk cows farms, 1987	8	58	133	125	13	127	36	158
1982	13	76	134	177	16	170	36	205
number, 1987	(D)	3 007	5 946	7 066	403	9 182	1 333	8 727
1982	(D)	3 720	5 963	8 074	610	10 572	1 185	10 235
Heifers and heifer calves farms, 1987	8	65	158	138	39	145	58	188
number, 1987	416	2 495	5 617	7 412	2 067	9 334	1 167	6 424
Steers, steer calves, bulls, and bull calves farms, 1987	7	56	148	101	43	110	95	180
number, 1987	108	1 361	2 020	1 728	2 710	1 745	5 473	4 565
Cattle and calves sold farms, 1987	8	82	182	159	51	161	106	244
1982	15	114	192	202	46	194	144	307
number, 1987	299	2 783	5 709	6 316	5 070	8 758	12 656	9 617
1982	370	4 808	11 123	5 569	7 208	7 468	11 782	7 377
Calves farms, 1987	7	53	133	124	18	127	35	152
number, 1987	125	735	2 244	2 778	263	3 656	5 047	4 001
Cattle farms, 1987	7	75	164	149	46	152	97	223
1982	15	103	179	193	43	173	132	280
number, 1987	174	2 048	3 465	3 538	4 807	5 102	6 609	5 616
1982	259	3 454	9 538	2 892	6 894	4 069	(D)	4 782
Fattened on grain and concentrates farms, 1987	-	16	42	20	28	15	66	68
number, 1987	-	924	1 353	566	4 493	208	5 951	2 442
Hogs and pigs inventory farms, 1987	1	18	51	3	26	10	76	70
1982	3	18	34	13	26	16	96	63
number, 1987	(D)	4 071	8 296	(D)	5 102	(D)	14 154	9 086
1982	355	1 656	3 594	477	4 465	2 911	19 656	9 318
Used or to be used for breeding farms, 1987	1	13	33	3	22	6	45	45
1982	3	13	25	9	18	7	57	43
number, 1987	(D)	835	1 027	89	770	798	1 638	1 373
1982	(D)	282	536	168	492	779	1 809	1 653
Other farms, 1987	1	17	47	3	25	9	69	66
1982	3	18	30	11	26	16	95	61
number, 1987	(D)	3 236	7 269	(D)	4 332	(D)	12 516	7 713
1982	(D)	1 374	3 058	309	3 973	2 132	17 847	7 665
Hogs and pigs sold farms, 1987	1	16	49	4	30	12	78	66
1982	3	19	32	10	26	12	102	65
number, 1987	(D)	10 197	12 813	1 066	9 355	(D)	27 578	15 347
1982	476	5 105	7 285	1 480	6 731	9 680	32 598	15 241
Feeder pigs farms, 1987	-	8	18	3	12	4	15	20
1982	3	6	11	9	7	7	22	20
number, 1987	-	4 150	2 883	(D)	1 903	(D)	4 924	5 263
1982	476	2 562	2 782	992	2 202	8 348	5 392	5 056
Sheep and lambs inventory farms, 1987	2	7	6	2	5	2	20	9
1982	-	7	5	3	3	8	15	11
number, 1987	(D)	(D)	(D)	(D)	76	(D)	612	174
1982	-	(D)	(D)	30	(D)	527	555	613
Sheep and lambs sold farms, 1987	1	5	4	2	4	2	18	9
1982	-	5	4	3	3	5	13	10
number, 1987	(D)	(D)	(D)	(D)	76	(D)	314	240
1982	-	652	37	(D)	(D)	236	300	380
Hens and pullets of laying age inventory farms, 1987	-	11	24	13	11	7	33	25
1982	1	11	15	19	5	12	57	48
number, 1987	-	(D)	1 025	(D)	(D)	158	(D)	(D)
1982	(D)	12 761	837	(D)	294	(D)	97 111	7 590
Broilers and other meat-type chickens sold farms, 1987	-	3	6	-	-	1	7	3
1982	-	1	3	1	-	1	14	2
number, 1987	-	1 100	(D)	-	-	(D)	2 381	(D)
1982	-	(D)	185	(D)	-	(D)	15 835	(D)

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
MACHINERY AND EQUIPMENT[1]								
Estimated market value of all machinery and equipment .... farms, 1987	37	197	309	171	335	131	40	175
1982	38	204	344	181	366	119	35	210
$1,000, 1987	2 370	18 924	30 195	15 436	26 341	12 614	1 655	13 587
1982	3 767	14 665	24 687	9 397	23 505	10 785	1 474	13 470
Average per farm .... dollars, 1987	64 041	96 059	97 717	90 269	78 629	96 290	41 379	77 639
1982	99 144	71 888	71 766	51 917	64 220	90 629	42 105	64 144
Motortrucks, including pickups .... farms, 1987	35	189	297	163	317	130	38	147
1982	32	194	333	163	346	107	34	201
number, 1987	65	473	635	399	807	268	50	266
1982	48	360	585	357	711	162	55	291
Wheel tractors .... farms, 1987	35	190	309	154	334	131	40	155
1982	38	197	327	157	343	118	33	202
number, 1987	128	859	1 353	541	1 380	560	129	598
1982	133	722	1 263	418	1 332	475	107	673
Grain and bean combines[2] .... farms, 1987	24	49	149	40	70	73	24	61
1982	20	52	68	48	34	60	10	57
number, 1987	30	52	163	42	79	74	28	73
1982	20	53	71	51	34	62	14	57
LIVESTOCK AND POULTRY								
Cattle and calves inventory .... farms, 1987	26	94	197	50	115	103	34	147
1982	31	123	212	65	154	106	32	185
number, 1987	1 977	10 490	17 826	3 814	11 013	12 754	2 309	15 786
1982	2 530	11 833	19 727	4 641	11 519	12 189	2 407	18 434
Cows and heifers that had calved .... farms, 1987	22	67	175	42	72	90	31	133
1982	30	99	183	50	106	93	28	176
number, 1987	1 011	4 250	7 869	1 894	3 487	5 273	1 094	7 843
1982	1 441	4 712	8 848	2 202	3 820	4 781	1 179	9 435
Beef cows .... farms, 1987	6	20	28	27	27	29	14	43
1982	6	25	39	31	50	28	10	41
number, 1987	112	366	361	883	656	682	393	1 220
1982	130	184	509	1 123	934	589	513	1 425
Milk cows .... farms, 1987	18	54	154	21	46	70	17	100
1982	26	83	155	28	68	77	21	144
number, 1987	899	3 884	7 508	1 011	2 831	4 591	701	6 623
1982	1 311	4 528	8 339	1 079	2 886	4 192	666	8 010
Heifers and heifer calves .... farms, 1987	21	72	178	36	84	89	29	132
number, 1987	760	3 371	6 303	1 120	3 286	5 265	771	6 244
Steers, steer calves, bulls, and bull calves .... farms, 1987	17	71	133	40	97	87	32	114
number, 1987	206	2 869	3 654	800	4 240	2 216	444	1 699
Cattle and calves sold .... farms, 1987	28	92	198	45	118	107	34	155
1982	30	123	214	61	147	108	32	188
number, 1987	912	5 860	8 225	1 196	8 998	4 936	938	6 885
1982	826	4 922	7 079	1 813	7 092	3 641	1 046	5 767
Calves .... farms, 1987	20	47	142	27	42	66	22	111
number, 1987	346	1 253	3 726	377	3 645	1 641	331	2 905
Cattle .... farms, 1987	24	86	163	42	110	97	32	145
1982	26	113	177	57	133	99	32	166
number, 1987	566	4 607	4 499	819	5 353	3 295	607	3 980
1982	350	3 750	4 402	1 118	3 964	2 276	743	3 220
Fattened on grain and concentrates .... farms, 1987	3	34	35	22	51	26	3	22
number, 1987	(D)	3 110	2 171	372	2 960	1 230	(D)	626
Hogs and pigs inventory .... farms, 1987	6	29	35	11	24	10	1	19
1982	4	32	40	15	39	13	2	22
number, 1987	335	6 354	6 110	1 751	9 930	1 105	(D)	2 080
1982	(D)	4 105	7 526	1 991	4 266	552	(D)	2 460
Used or to be used for breeding .... farms, 1987	5	18	30	6	18	9	1	10
1982	3	24	25	10	28	5	1	15
number, 1987	64	764	1 202	182	1 468	154	(D)	316
1982	(D)	571	1 073	234	902	100	(D)	450
Other .... farms, 1987	6	28	32	10	23	8	-	18
1982	4	32	39	13	39	13	2	18
number, 1987	271	5 590	4 908	1 569	8 462	951	-	1 764
1982	(D)	3 534	6 453	1 757	3 364	452	(D)	2 000
Hogs and pigs sold .... farms, 1987	6	31	37	11	26	10	1	20
1982	5	33	41	13	40	10	2	16
number, 1987	525	10 830	13 244	3 369	19 353	1 625	(D)	5 684
1982	(D)	6 657	12 286	2 692	10 931	982	(D)	6 988
Feeder pigs .... farms, 1987	2	9	15	3	11	4	1	7
1982	-	19	16	7	21	3	1	8
number, 1987	(D)	4 675	7 259	(D)	9 486	(D)	(D)	3 304
1982	-	3 747	5 728	1 003	6 718	(D)	(D)	5 331
Sheep and lambs inventory .... farms, 1987	-	3	6	9	3	4	1	3
1982	1	4	10	8	4	2	1	5
number, 1987	-	(D)	157	146	(D)	70	(D)	(D)
1982	(D)	(D)	879	373	(D)	(D)	(D)	(D)
Sheep and lambs sold .... farms, 1987	-	2	6	9	4	2	1	3
1982	-	3	7	5	4	2	1	3
number, 1987	-	(D)	129	217	(D)	(D)	(D)	(D)
1982	-	(D)	770	393	(D)	(D)	(D)	(D)
Hens and pullets of laying age inventory .... farms, 1987	3	8	9	16	15	7	3	12
1982	7	11	25	12	22	12	3	13
number, 1987	110	(D)	108 098	(D)	(D)	(D)	55	251
1982	(D)	(D)	(D)	(D)	(D)	285	(D)	(D)
Broilers and other meat-type chickens sold .... farms, 1987	1	-	1	1	2	-	-	1
1982	1	5	3	2	5	1	1	-
number, 1987	(D)	-	(D)	(D)	(D)	-	-	(D)
1982	(D)	1 240	(D)	(D)	819	(D)	(D)	[illegible]

See footnotes at end of table.

Table 16. Farms With Sales of $10,000 or More: 1987 and 1982—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
MACHINERY AND EQUIPMENT[1]								
Estimated market value of all machinery and equipment ....farms, 1987..	45	62	799	133	4	840	417	501
1982..	41	55	853	114	6	980	529	592
$1,000, 1987..	1 621	3 399	67 478	12 222	96	61 229	28 900	43 158
1982..	1 914	2 898	59 678	10 514	(D)	62 165	39 537	46 049
Average per farm ....dollars, 1987..	36 015	54 828	84 453	91 895	24 000	72 891	69 304	86 144
1982..	46 672	52 699	69 962	92 228	(D)	83 842	74 739	77 786
Motortrucks, including pickups ....farms, 1987..	26	56	738	121	3	818	384	441
1982..	30	55	768	113	6	929	468	515
number, 1987..	50	101	1 687	362	7	1 976	751	835
1982..	42	94	1 479	227	(D)	2 168	872	870
Wheel tractors ....farms, 1987..	43	62	751	122	4	810	406	470
1982..	33	54	821	113	6	959	497	563
number, 1987..	127	214	2 907	493	13	3 057	1 688	1 660
1982..	122	182	3 152	500	(D)	3 613	1 713	1 755
Grain and bean combines[2] ....farms, 1987..	11	34	192	74	2	647	323	304
1982..	6	14	161	78	3	736	353	320
number, 1987..	12	40	201	111	(D)	767	420	364
1982..	6	14	181	92	3	819	413	354
LIVESTOCK AND POULTRY								
Cattle and calves inventory ....farms, 1987..	39	44	359	103	1	214	194	195
1982..	38	41	440	83	1	254	237	234
number, 1987..	2 418	2 672	37 590	7 974	(D)	13 622	13 549	12 849
1982..	3 069	2 926	43 643	7 524	(D)	14 152	17 190	14 533
Cows and heifers that had calved ....farms, 1987..	33	28	255	86	1	130	153	148
1982..	38	31	334	73	1	153	197	163
number, 1987..	1 130	878	13 673	3 497	(D)	4 687	4 878	4 861
1982..	1 440	1 084	17 423	3 410	(D)	5 448	8 348	5 251
Beef cows ....farms, 1987..	6	6	75	47	1	53	70	65
1982..	7	8	91	33	1	51	72	73
number, 1987..	352	117	1 252	1 202	(D)	526	1 036	1 060
1982..	356	314	2 646	1 025	(D)	884	2 972	1 147
Milk cows ....farms, 1987..	27	22	187	42	-	82	93	89
1982..	30	24	258	45	-	107	134	106
number, 1987..	778	761	12 421	2 295	-	4 161	3 842	3 801
1982..	1 084	770	14 777	2 385	-	4 564	5 376	4 104
Heifers and heifer calves ....farms, 1987..	32	28	266	85	1	125	157	147
number, 1987..	659	680	12 792	2 196	(D)	4 007	4 009	4 037
Steers, steer calves, bulls, and bull calves ....farms, 1987..	35	38	264	92	1	169	150	173
number, 1987..	629	1 114	11 125	2 281	(D)	4 928	4 662	3 951
Cattle and calves sold ....farms, 1987..	42	47	359	105	3	201	191	192
1982..	38	41	435	84	1	243	244	231
number, 1987..	1 783	1 808	36 547	2 791	(D)	7 461	10 676	5 049
1982..	1 305	1 880	26 703	2 706	(D)	6 338	9 860	5 801
Calves ....farms, 1987..	32	24	206	51	2	75	100	74
number, 1987..	657	497	19 408	831	(D)	1 627	1 571	1 279
Cattle ....farms, 1987..	41	43	309	94	3	190	181	174
1982..	35	40	392	80	-	229	213	211
number, 1987..	1 126	1 311	19 139	1 960	(D)	5 834	9 105	3 770
1982..	744	1 500	15 764	1 742	-	5 109	7 617	4 737
Fattened on grain and concentrates ....farms, 1987..	9	5	124	36	-	107	77	98
number, 1987..	316	(D)	10 692	562	-	4 276	6 985	2 536
Hogs and pigs inventory ....farms, 1987..	6	2	132	4	-	60	45	151
1982..	6	2	144	13	-	73	55	198
number, 1987..	(D)	(D)	89 729	(D)	-	6 972	4 246	46 204
1982..	(D)	(D)	73 982	919	-	7 621	3 540	44 581
Used or to be used for breeding ....farms, 1987..	4	2	93	3	-	29	27	123
1982..	5	1	100	8	-	35	37	148
number, 1987..	45	(D)	10 076	(D)	-	763	500	9 791
1982..	47	(D)	8 111	151	-	939	648	7 700
Other ....farms, 1987..	6	1	125	4	-	57	45	144
1982..	5	2	141	13	-	73	53	179
number, 1987..	(D)	(D)	79 653	(D)	-	6 209	3 746	36 413
1982..	(D)	(D)	65 871	768	-	6 682	2 892	36 881
Hogs and pigs sold ....farms, 1987..	6	2	145	3	-	60	44	164
1982..	5	1	151	11	-	77	53	205
number, 1987..	486	(D)	167 382	(D)	-	15 405	6 119	79 615
1982..	(D)	(D)	135 085	1 958	-	10 015	8 532	70 995
Feeder pigs ....farms, 1987..	4	2	50	-	-	9	8	44
1982..	3	-	58	3	-	10	9	66
number, 1987..	(D)	(D)	49 825	-	-	2 535	839	16 924
1982..	(D)	-	29 439	(D)	-	1 509	4 329	13 753
Sheep and lambs inventory ....farms, 1987..	4	1	5	-	-	14	8	38
1982..	1	1	11	-	-	9	14	36
number, 1987..	(D)	(D)	74	-	-	(D)	293	1 488
1982..	(D)	(D)	394	-	-	783	479	1 776
Sheep and lambs sold ....farms, 1987..	4	1	5	-	-	15	7	36
1982..	2	1	12	-	-	4	14	31
number, 1987..	(D)	(D)	56	-	-	(D)	146	1 051
1982..	(D)	(D)	253	-	-	(D)	381	1 311
Hens and pullets of laying age inventory ....farms, 1987..	9	1	29	17	-	36	19	46
1982..	12	2	37	22	-	60	29	68
number, 1987..	269	(D)	2 051 463	845	-	(D)	(D)	88 417
1982..	(D)	(D)	982 789	(D)	-	33 235	(D)	(D)
Broilers and other meat-type chickens sold ....farms, 1987..	2	-	12	1	-	4	5	10
1982..	-	-	8	-	-	6	4	7
number, 1987..	(D)	-	368 695	(D)	-	566	560	2 292
1982..	-	-	117 890	-	-	365	1 810	1 115

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
MACHINERY AND EQUIPMENT[1]								
Estimated market value of all machinery and equipment farms, 1987	968	23	573	696	579	507	126	48
1982	1 157	15	692	887	690	630	151	73
$1,000, 1987	84 003	1 140	40 090	62 682	44 429	42 392	6 975	2 540
1982	98 869	749	51 426	86 887	46 985	55 083	10 167	3 131
Average per farm dollars, 1987	86 780	49 586	69 965	90 060	76 734	83 614	55 358	52 913
1982	85 453	49 938	74 315	97 956	68 094	87 434	67 333	42 895
Motortrucks, including pickups farms, 1987	916	19	542	672	551	470	112	41
1982	971	14	662	849	634	586	151	72
number, 1987	1 782	37	1 266	1 812	1 292	1 036	331	66
1982	1 677	29	1 223	1 971	1 374	1 263	379	111
Wheel tractors farms, 1987	926	21	548	683	549	495	115	46
1982	1 077	15	669	838	651	602	128	73
number, 1987	3 993	74	2 108	2 809	2 096	2 126	408	170
1982	3 961	42	2 372	3 070	2 217	2 383	311	245
Grain and bean combines[2] farms, 1987	661	7	445	563	161	326	52	21
1982	653	11	456	698	204	413	58	14
number, 1987	892	10	526	752	192	372	53	23
1982	742	11	496	810	218	440	58	14
LIVESTOCK AND POULTRY								
Cattle and calves inventory farms, 1987	565	17	234	223	124	244	6	34
1982	700	11	281	286	181	307	7	43
number, 1987	62 310	1 733	19 130	17 437	9 189	24 045	82	2 508
1982	71 228	1 537	22 104	20 170	8 993	24 759	272	3 347
Cows and heifers that had calved farms, 1987	444	14	167	155	82	147	4	29
1982	596	9	213	210	124	200	6	41
number, 1987	26 405	1 049	8 286	7 407	2 754	8 373	(D)	1 147
1982	31 900	828	9 609	8 639	3 573	9 703	156	1 668
Beef cows farms, 1987	53	14	49	58	43	52	3	11
1982	86	7	64	84	70	87	5	7
number, 1987	940	(D)	1 056	1 078	845	939	(D)	250
1982	1 172	(D)	1 349	1 339	1 399	1 562	(D)	162
Milk cows farms, 1987	410	2	121	101	44	104	1	18
1982	538	2	156	145	65	126	2	35
number, 1987	25 465	(D)	7 230	6 329	1 909	7 434	(D)	897
1982	30 728	(D)	8 260	7 300	2 174	8 141	(D)	1 506
Heifers and heifer calves farms, 1987	451	13	159	158	83	161	2	28
number, 1987	21 759	291	6 424	5 648	2 707	7 457	(D)	802
Steers, steer calves, bulls, and bull calves farms, 1987	428	16	190	192	107	210	6	28
number, 1987	14 146	393	4 420	4 382	3 728	8 215	12	559
Cattle and calves sold farms, 1987	574	18	231	220	126	249	6	35
1982	697	11	278	276	171	300	7	44
number, 1987	25 409	984	7 886	7 733	4 884	15 370	(D)	1 043
1982	25 074	938	7 944	7 280	5 511	12 530	150	1 135
Calves farms, 1987	375	5	128	105	56	102	1	21
number, 1987	7 804	279	2 746	2 169	2 666	2 225	(D)	410
Cattle farms, 1987	526	16	210	206	111	239	6	33
1982	632	11	257	263	153	282	7	38
number, 1987	17 605	705	5 140	5 564	2 218	13 145	(D)	633
1982	15 674	553	5 441	5 282	2 812	9 966	(D)	647
Fattened on grain and concentrates farms, 1987	157	1	91	102	67	133	3	10
number, 1987	8 661	(D)	2 565	3 111	1 162	8 764	(D)	250
Hogs and pigs inventory farms, 1987	94	7	78	73	100	103	6	7
1982	91	2	80	96	129	126	9	10
number, 1987	16 498	(D)	13 928	17 389	55 354	22 888	(D)	460
1982	10 115	(D)	11 822	17 706	53 838	22 151	506	2 367
Used or to be used for breeding farms, 1987	64	7	61	40	79	64	3	7
1982	59	2	61	44	103	93	5	8
number, 1987	2 049	(D)	2 316	1 669	9 210	3 359	(D)	161
1982	1 269	(D)	2 002	1 874	9 248	2 834	40	435
Other farms, 1987	89	7	73	70	94	98	6	7
1982	88	2	76	94	126	116	6	10
number, 1987	14 449	372	11 612	15 720	46 144	19 329	(D)	299
1982	8 846	(D)	9 820	15 832	44 590	19 317	466	1 932
Hogs and pigs sold farms, 1987	88	7	79	77	105	100	5	7
1982	86	2	81	96	135	133	9	12
number, 1987	21 325	(D)	24 704	31 150	83 263	42 021	(D)	2 410
1982	15 509	(D)	17 526	29 739	74 451	34 008	423	6 999
Feeder pigs farms, 1987	25	6	34	15	23	20	2	7
1982	26	2	31	14	34	33	1	10
number, 1987	5 029	(D)	9 295	4 233	6 083	5 428	(D)	1 960
1982	4 656	(D)	7 925	2 136	8 621	9 907	(D)	(D)
Sheep and lambs inventory farms, 1987	5	-	25	9	9	88	3	-
1982	8	-	16	15	3	116	1	-
number, 1987	40	-	1 077	(D)	812	11 961	(D)	-
1982	302	-	735	697	328	14 420	(D)	-
Sheep and lambs sold farms, 1987	4	-	25	11	9	86	2	-
1982	8	-	16	16	9	116	1	-
number, 1987	24	-	617	612	654	11 664	(D)	-
1982	202	-	855	407	189	12 735	(D)	-
Hens and pullets of laying age inventory farms, 1987	20	-	20	22	13	31	11	2
1982	51	-	39	44	31	63	7	7
number, 1987	2 025	-	(D)	(D)	(D)	(D)	(D)	(D)
1982	7 857	-	(D)	(D)	(D)	(D)	(D)	188
Broilers and other meat-type chickens sold farms, 1987	3	-	4	8	3	3	2	1
1982	3	-	6	6	5	4	1	-
number, 1987	(D)	-	500	961	179	(D)	(D)	(D)
1982	(D)	-	682	1 397	685	(D)	(D)	-

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
CROPS HARVESTED							
Corn for grain or seed .... farms, 1987..	16 442	17	6	518	57	55	141
1982..	20 242	15	3	704	63	59	146
acres, 1987..	1 627 116	1 159	138	62 653	2 804	4 020	11 092
1982..	2 386 819	1 165	60	93 094	3 081	4 924	12 623
bushels, 1987..	178 509 320	125 962	13 800	5 748 088	270 465	384 909	1 065 190
1982..	243 114 391	82 680	5 200	9 747 132	197 495	374 422	1 090 971
Wheat for grain .... farms, 1987..	7 668	10	-	188	21	14	73
1982..	11 150	20	-	277	66	22	84
acres, 1987..	320 410	408	-	5 392	517	954	3 113
1982..	453 529	1 070	-	8 373	2 486	1 464	3 559
bushels, 1987..	15 130 595	18 012	-	234 316	20 421	34 434	167 984
1982..	18 786 515	50 576	-	366 814	123 219	40 260	204 356
Soybeans for beans .... farms, 1987..	8 667	-	-	80	5	-	73
1982..	9 972	1	-	89	4	-	97
acres, 1987..	924 718	-	-	5 168	401	-	3 999
1982..	1 001 445	(D)	-	5 458	(D)	-	5 965
bushels, 1987..	33 517 222	-	-	201 780	8 658	-	130 815
1982..	31 395 387	(D)	-	189 297	(D)	-	146 919
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) .... farms, 1987..	12 331	50	21	398	108	61	93
1982..	14 091	67	29	476	114	74	101
acres, 1987..	1 103 207	6 605	3 858	31 985	11 032	7 630	8 908
1982..	1 037 167	7 575	4 053	31 718	8 578	8 685	8 683
tons, dry, 1987..	2 778 521	13 503	7 305	89 467	32 057	14 882	19 739
1982..	2 885 258	16 977	6 568	94 861	21 204	18 702	26 013
Vegetables harvested for sale (see text) .... farms, 1987..	2 097	2	1	72	6	8	38
1982..	2 102	1	1	62	7	3	21
acres, 1987..	133 359	(D)	(D)	5 143	108	30	2 449
1982..	118 910	(D)	(D)	6 920	169	22	1 666
Land in orchards .... farms, 1987..	1 922	2	1	70	-	35	5
1982..	2 093	2	-	81	2	48	1
acres, 1987..	145 743	(D)	(D)	4 152	-	4 178	71
1982..	148 000	(D)	-	4 167	(D)	4 228	(D)

Item	Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
CROPS HARVESTED							
Corn for grain or seed .... farms, 1987..	3	269	371	13	309	473	417
1982..	2	382	451	8	394	597	579
acres, 1987..	(D)	27 898	33 539	590	35 007	61 642	57 197
1982..	(D)	40 841	43 555	392	42 875	86 104	84 651
bushels, 1987..	(D)	2 579 911	3 480 704	36 785	3 636 230	6 688 858	4 885 527
1982..	(D)	4 062 764	4 698 905	32 268	4 289 310	8 598 886	8 480 001
Wheat for grain .... farms, 1987..	-	157	133	-	135	194	279
1982..	-	231	229	1	186	295	371
acres, 1987..	-	6 940	3 384	-	4 988	6 345	11 802
1982..	-	10 436	5 772	(D)	7 466	10 434	16 831
bushels, 1987..	-	278 689	190 776	-	243 591	280 416	499 913
1982..	-	391 311	289 028	(D)	241 912	405 297	748 021
Soybeans for beans .... farms, 1987..	-	95	265	-	263	382	230
1982..	-	115	244	1	298	414	276
acres, 1987..	-	8 544	17 615	-	23 486	29 561	18 012
1982..	-	7 898	16 199	(D)	22 755	35 985	22 296
bushels, 1987..	-	319 896	744 177	-	909 905	991 326	619 620
1982..	-	233 729	496 170	(D)	707 193	1 112 932	660 074
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) .... farms, 1987..	19	226	76	18	151	241	272
1982..	15	269	65	13	153	283	321
acres, 1987..	2 940	21 095	3 696	1 017	5 744	9 575	17 514
1982..	2 158	20 196	2 805	661	4 808	9 911	16 366
tons, dry, 1987..	4 992	56 869	12 253	2 159	16 759	29 792	45 729
1982..	4 103	70 853	9 400	1 683	13 586	30 183	53 503
Vegetables harvested for sale (see text) .... farms, 1987..	1	18	95	5	200	12	8
1982..	1	31	81	3	217	12	9
acres, 1987..	(D)	766	4 190	(D)	7 363	463	768
1982..	(D)	1 472	3 247	(D)	7 801	286	2 176
Land in orchards .... farms, 1987..	-	3	3	35	367	4	7
1982..	-	8	5	49	436	6	3
acres, 1987..	-	(D)	12	3 742	21 661	215	306
1982..	-	88	19	4 013	22 554	314	(D)

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
CROPS HARVESTED							
Corn for grain or seed .... farms, 1987..	353	28	17	1	57	581	-
1982..	456	41	19	5	65	668	-
acres, 1987..	54 790	2 286	598	(D)	3 197	46 686	-
1982..	69 372	2 565	909	(D)	5 900	57 930	-
bushels, 1987..	5 584 817	206 252	50 650	(D)	206 470	4 491 342	-
1982..	7 222 845	184 518	64 660	(D)	426 964	6 616 518	-
Wheat for grain .... farms, 1987..	136	3	7	3	18	371	-
1982..	190	13	18	15	45	488	-
acres, 1987..	5 481	47	149	70	684	13 877	-
1982..	7 419	238	637	258	1 761	18 802	-
bushels, 1987..	256 215	1 320	9 925	2 100	24 348	623 731	-
1982..	239 868	8 605	24 645	9 454	67 934	715 935	-
Soybeans for beans .... farms, 1987..	205	-	-	-	2	494	-
1982..	254	-	-	2	6	571	-
acres, 1987..	19 287	-	-	-	(D)	45 225	-
1982..	22 901	-	-	(D)	274	47 143	-
bushels, 1987..	745 980	-	-	-	(D)	1 699 317	-
1982..	729 284	-	-	(D)	5 970	1 573 567	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) .... farms, 1987..	219	44	46	109	102	402	3
1982..	245	54	45	112	100	437	1
acres, 1987..	11 375	6 615	8 484	22 234	15 028	30 107	(D)
1982..	11 025	6 855	6 617	24 722	11 168	25 619	(D)
tons, dry, 1987..	31 382	14 856	18 018	37 603	20 760	85 827	(D)
1982..	32 259	14 128	11 434	37 203	26 535	83 306	(D)
Vegetables harvested for sale (see text) .... farms, 1987..	45	5	5	1	1	13	-
1982..	37	5	2	2	3	16	1
acres, 1987..	3 104	(D)	50	(D)	(D)	413	-
1982..	2 449	568	(D)	(D)	(D)	319	(D)
Land in orchards .... farms, 1987..	32	8	3	-	1	13	-
1982..	39	5	-	-	-	11	-
acres, 1987..	2 871	662	18	-	(D)	344	-
1982..	1 975	(D)	-	-	-	392	-

Item	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
CROPS HARVESTED							
Corn for grain or seed .... farms, 1987..	31	8	446	29	204	94	-
1982..	26	10	575	24	271	108	1
acres, 1987..	(D)	(D)	44 545	1 969	33 803	5 359	-
1982..	1 340	(D)	60 494	1 617	42 692	8 412	(D)
bushels, 1987..	(D)	(D)	4 390 044	193 050	2 990 612	389 610	-
1982..	108 770	(D)	6 526 380	119 850	4 122 978	603 731	(D)
Wheat for grain .... farms, 1987..	-	-	302	3	99	37	-
1982..	7	-	439	4	103	72	-
acres, 1987..	-	-	17 345	(D)	4 890	1 111	-
1982..	262	-	22 641	28	4 001	2 639	-
bushels, 1987..	-	-	793 522	3 140	214 436	48 196	-
1982..	10 575	-	1 010 865	710	147 941	116 917	-
Soybeans for beans .... farms, 1987..	1	-	282	-	166	18	-
1982..	1	-	296	-	222	23	-
acres, 1987..	(D)	-	24 268	-	22 973	1 192	-
1982..	(D)	-	22 916	-	27 502	1 304	-
bushels, 1987..	(D)	-	928 034	-	705 374	39 880	-
1982..	(D)	-	761 997	-	817 550	31 526	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) .... farms, 1987..	94	39	264	50	124	111	6
1982..	97	41	338	52	168	113	12
acres, 1987..	11 757	5 340	15 645	6 651	8 810	8 137	705
1982..	10 930	5 229	16 668	5 346	10 665	8 445	1 280
tons, dry, 1987..	25 625	9 283	41 673	16 657	19 891	15 799	782
1982..	21 314	9 080	53 147	10 505	29 714	22 330	1 915
Vegetables harvested for sale (see text) .... farms, 1987..	4	2	21	4	20	2	-
1982..	2	2	22	4	20	5	-
acres, 1987..	(D)	(D)	1 982	105	509	(D)	-
1982..	(D)	(D)	2 159	121	447	126	-
Land in orchards .... farms, 1987..	2	-	7	2	10	2	-
1982..	1	-	5	-	11	-	-
acres, 1987..	(D)	-	44	(D)	383	(D)	-
1982..	(D)	-	61	-	596	-	-

See footnotes at end of table.

Table 16. Farms With Sales of $10,000 or More: 1987 and 1982—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
CROPS HARVESTED								
Corn for grain or seed farms, 1987	65	503	489	5	886	332	465	41
1982	58	633	615	6	1 058	426	571	51
acres, 1987	5 855	58 832	63 742	(D)	93 394	51 156	49 835	2 157
1982	6 489	68 201	89 734	112	109 275	71 884	63 091	6 246
bushels, 1987	322 395	5 891 610	5 984 243	(D)	9 318 472	4 277 187	5 100 164	187 452
1982	421 625	8 023 111	8 851 905	10 440	11 524 360	7 600 471	7 309 074	436 613
Wheat for grain farms, 1987	36	213	234	-	541	217	296	9
1982	34	304	348	-	620	247	397	26
acres, 1987	1 292	8 618	7 220	-	22 729	12 747	14 143	273
1982	1 469	13 866	12 910	-	21 862	15 278	19 830	870
bushels, 1987	45 779	412 891	341 162	-	1 340 331	625 854	633 948	9 022
1982	45 705	657 391	476 548	-	1 088 839	654 300	771 786	39 832
Soybeans for beans farms, 1987	-	433	354	-	92	190	249	3
1982	1	563	357	-	71	229	260	6
acres, 1987	-	50 439	30 508	-	4 540	20 116	20 310	135
1982	(D)	60 943	31 840	-	4 527	24 445	19 224	(D)
bushels, 1987	-	1 894 730	964 095	-	142 472	621 435	784 388	3 870
1982	(D)	2 053 064	969 031	-	126 630	812 523	678 030	(D)
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) farms, 1987	82	246	316	32	553	244	365	64
1982	81	247	358	38	649	278	417	66
acres, 1987	9 051	15 680	20 256	4 994	37 923	20 977	29 446	7 487
1982	7 493	12 131	19 910	3 546	36 169	19 400	26 162	7 059
tons, dry, 1987	18 534	40 249	63 371	7 674	118 100	60 961	92 665	16 687
1982	17 720	36 617	63 976	5 576	128 894	63 444	89 122	18 541
Vegetables harvested for sale (see text) farms, 1987	30	53	14	3	11	16	33	2
1982	18	33	14	1	1	19	45	1
acres, 1987	2 836	4 192	334	(D)	55	2 356	1 681	(D)
1982	1 656	2 600	427	(D)	(D)	1 725	2 434	(D)
Land in orchards farms, 1987	127	4	4	2	3	8	29	1
1982	136	3	6	1	5	10	29	-
acres, 1987	10 970	(D)	223	(D)	(D)	271	2 366	(D)
1982	12 830	(D)	476	(D)	10	287	2 001	-

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
CROPS HARVESTED								
Corn for grain or seed farms, 1987	-	330	323	245	19	355	-	5
1982	-	398	447	297	20	483	-	18
acres, 1987	-	30 588	47 734	40 640	1 052	36 111	-	136
1982	-	38 114	73 403	50 545	1 563	53 310	-	833
bushels, 1987	-	2 397 941	3 397 226	4 165 029	98 727	3 396 986	-	(D)
1982	-	3 151 298	6 964 200	5 150 281	68 758	5 270 966	-	70 311
Wheat for grain farms, 1987	-	183	189	144	9	142	-	1
1982	1	258	251	198	15	225	-	11
acres, 1987	-	7 050	7 448	9 837	456	4 746	-	(D)
1982	(D)	8 772	10 603	14 243	828	7 749	-	258
bushels, 1987	-	303 115	303 221	412 223	22 170	211 560	-	(D)
1982	(D)	393 262	417 014	575 246	30 380	317 096	-	8 562
Soybeans for beans farms, 1987	-	135	80	173	1	35	-	-
1982	-	161	92	178	1	37	-	1
acres, 1987	-	9 992	4 577	19 103	(D)	2 501	-	-
1982	-	11 260	5 623	23 167	(D)	2 565	-	(D)
bushels, 1987	-	341 711	128 418	759 773	(D)	90 952	-	-
1982	-	277 866	163 731	720 789	(D)	83 238	-	(D)
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) farms, 1987	19	297	257	141	17	350	-	22
1982	26	324	312	181	23	418	-	23
acres, 1987	3 378	33 318	25 343	8 572	1 643	32 557	-	2 774
1982	4 544	26 291	24 121	10 486	1 906	30 951	-	2 478
tons, dry, 1987	5 911	84 123	68 670	27 263	2 633	94 714	-	4 250
1982	8 924	75 791	71 553	28 625	4 419	96 661	-	4 868
Vegetables harvested for sale (see text) farms, 1987	-	8	28	24	1	78	-	1
1982	1	8	27	23	-	84	-	2
acres, 1987	-	302	1 834	2 048	(D)	4 103	-	(D)
1982	(D)	336	1 271	507	-	3 327	-	(D)
Land in orchards farms, 1987	-	4	13	30	-	165	-	-
1982	-	5	7	41	-	172	-	1
acres, 1987	-	(D)	488	1 377	-	15 290	-	-
1982	-	105	222	1 533	-	14 607	-	(D)

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text.]

Item	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
CROPS HARVESTED								
Corn for grain or seed, farms, 1987	331	40	713	193	-	2	158	25
1982	429	52	833	260	-	-	179	21
acres, 1987	43 084	2 773	88 179	25 905	-	(D)	14 302	1 136
1982	52 867	3 628	130 984	35 289	-	-	15 275	1 539
bushels, 1987	4 646 463	219 209	8 668 955	2 772 231	-	(D)	1 611 558	53 280
1982	5 097 798	282 132	14 180 777	3 458 761	-	-	1 353 338	94 524
Wheat for grain, farms, 1987	112	11	408	114	1	5	49	10
1982	167	17	557	153	-	5	91	9
acres, 1987	4 325	(D)	18 428	4 927	(D)	(D)	1 677	409
1982	5 922	324	26 771	5 815	-	(D)	2 381	357
bushels, 1987	194 064	(D)	924 305	211 227	(D)	(D)	81 851	9 221
1982	224 367	9 570	1 065 478	229 369	-	(D)	82 049	12 341
Soybeans for beans, farms, 1987	92	2	676	63	-	-	133	-
1982	121	2	764	50	-	-	182	-
acres, 1987	6 794	(D)	99 186	4 155	-	-	15 307	-
1982	7 867	(D)	101 483	3 774	-	-	20 100	-
bushels, 1987	258 009	(D)	3 567 014	139 448	-	-	613 533	-
1982	195 407	(D)	3 588 487	95 617	-	-	584 545	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text), farms, 1987	324	54	252	183	11	29	87	34
1982	377	78	249	232	11	39	129	32
acres, 1987	31 468	4 637	17 789	18 329	1 730	6 147	5 352	3 116
1982	28 946	4 731	16 853	18 904	1 583	7 773	6 231	(D)
tons, dry, 1987	85 767	9 277	56 247	58 938	3 480	13 731	14 603	5 442
1982	87 549	9 696	51 744	54 670	2 014	11 930	16 151	5 690
Vegetables harvested for sale (see text), farms, 1987	36	6	64	12	3	1	99	34
1982	29	10	56	11	2	-	117	28
acres, 1987	4 276	137	3 392	2 084	(D)	(D)	4 447	1 887
1982	3 275	172	2 635	(D)	(D)	-	4 451	1 059
Land in orchards, farms, 1987	12	161	18	13	1	-	26	33
1982	10	180	16	9	-	-	25	44
acres, 1987	575	14 417	487	465	(D)	-	1 450	4 375
1982	546	14 998	412	464	-	-	1 278	5 508

Item	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
CROPS HARVESTED								
Corn for grain or seed, farms, 1987	-	97	165	82	160	64	472	372
1982	-	123	196	92	163	112	589	454
acres, 1987	-	7 220	10 114	6 130	18 163	4 101	52 007	36 727
1982	-	11 392	15 705	6 918	21 198	7 115	70 419	51 311
bushels, 1987	-	587 238	751 514	536 787	1 804 822	287 123	5 570 000	3 370 875
1982	-	1 031 479	1 317 306	501 629	2 248 494	530 760	7 486 007	5 098 420
Wheat for grain, farms, 1987	-	32	59	1	49	14	202	196
1982	-	103	102	4	60	35	295	300
acres, 1987	-	1 271	1 495	(D)	1 937	322	8 106	11 229
1982	-	4 483	3 295	48	2 906	765	10 650	18 058
bushels, 1987	-	50 814	48 866	(D)	111 322	9 817	420 406	443 911
1982	-	180 901	121 263	2 000	155 575	35 950	363 033	715 601
Soybeans for beans, farms, 1987	-	2	3	1	130	-	540	77
1982	-	4	4	1	135	-	640	76
acres, 1987	-	(D)	78	(D)	14 483	-	85 551	6 009
1982	-	151	160	(D)	14 581	-	88 208	5 817
bushels, 1987	-	(D)	1 608	(D)	536 343	-	2 997 634	202 244
1982	-	3 565	(D)	(D)	440 201	-	2 707 342	180 983
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text), farms, 1987	12	99	208	164	51	160	133	282
1982	16	121	218	217	54	195	124	327
acres, 1987	2 112	11 272	24 982	28 871	2 128	31 932	3 629	24 280
1982	1 968	11 939	23 679	27 226	2 282	27 805	4 482	25 961
tons, dry, 1987	4 913	27 602	60 345	53 071	6 080	56 648	10 886	67 802
1982	4 729	35 693	64 176	59 781	7 849	67 641	11 572	60 596
Vegetables harvested for sale (see text), farms, 1987	2	61	12	-	9	1	78	36
1982	1	63	18	-	6	1	91	19
acres, 1987	(D)	4 512	521	-	478	(D)	3 499	2 657
1982	(D)	3 564	666	-	347	(D)	3 779	1 093
Land in orchards, farms, 1987	1	39	7	2	1	1	17	14
1982	1	47	3	-	2	-	18	8
acres, 1987	(D)	5 497	296	(D)	(D)	(D)	181	1 033
1982	(D)	6 168	230	-	(D)	-	249	623

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
CROPS HARVESTED								
Corn for grain or seed .... farms, 1987..	19	100	198	56	125	69	2	64
1982..	13	137	243	76	162	64	-	100
acres, 1987..	1 518	14 705	15 045	13 636	7 444	6 492	(D)	4 159
1982..	872	18 753	21 003	14 742	10 255	4 695	-	5 525
bushels, 1987..	139 307	1 192 778	1 365 468	1 444 971	646 943	584 465	(D)	315 283
1982..	53 103	1 508 379	1 936 271	1 334 936	917 112	319 034	-	433 371
Wheat for grain .... farms, 1987..	7	20	38	35	38	14	3	15
1982..	10	58	72	48	70	36	1	38
acres, 1987..	312	758	760	1 646	932	966	(D)	365
1982..	547	1 858	1 326	2 565	1 808	1 043	(D)	1 126
bushels, 1987..	10 160	31 488	30 528	69 427	36 671	36 587	(D)	13 862
1982..	20 065	81 869	51 481	94 081	71 334	50 509	(D)	47 891
Soybeans for beans .... farms, 1987..	-	7	2	8	1	2	-	3
1982..	-	4	7	9	2	2	-	2
acres, 1987..	-	1 129	(D)	(D)	(D)	(D)	-	260
1982..	-	520	177	887	(D)	(D)	-	(D)
bushels, 1987..	-	(D)	(D)	(D)	(D)	(D)	-	10 400
1982..	-	16 914	5 627	23 032	(D)	(D)	-	(D)
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) .... farms, 1987..	28	100	208	73	143	118	36	157
1982..	31	122	250	86	178	108	34	192
acres, 1987..	3 243	11 038	22 830	7 678	11 522	19 707	6 434	29 239
1982..	3 645	10 877	21 086	7 424	10 544	14 136	5 801	25 996
tons, dry, 1987..	7 842	32 681	51 705	19 907	28 983	40 883	10 915	48 782
1982..	8 207	33 768	60 835	21 469	27 227	36 088	8 473	58 460
Vegetables harvested for sale (see text) .... farms, 1987..	1	35	43	22	220	4	2	1
1982..	-	31	45	16	228	1	-	-
acres, 1987..	(D)	4 047	4 787	501	16 271	(D)	(D)	(D)
1982..	-	3 464	5 235	504	11 889	(D)	-	-
Land in orchards .... farms, 1987..	1	20	25	10	155	1	3	-
1982..	-	21	24	12	173	1	-	3
acres, 1987..	(D)	3 803	2 349	430	15 002	(D)	6	-
1982..	-	3 737	1 924	348	16 015	(D)	-	(D)

Item	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
CROPS HARVESTED								
Corn for grain or seed .... farms, 1987..	13	23	412	55	-	629	269	445
1982..	17	17	528	36	1	671	358	516
acres, 1987..	(D)	694	38 048	2 756	-	58 273	27 088	75 229
1982..	470	596	50 062	2 092	(D)	59 674	36 754	85 991
bushels, 1987..	(D)	64 093	3 719 760	250 871	-	6 529 768	3 034 086	9 088 371
1982..	33 680	40 991	5 400 823	142 950	(D)	6 953 561	3 390 134	9 607 216
Wheat for grain .... farms, 1987..	-	6	78	32	-	299	66	155
1982..	-	12	211	45	2	461	121	249
acres, 1987..	-	203	1 722	965	-	11 429	2 752	5 249
1982..	-	509	5 053	1 521	(D)	16 597	3 439	9 848
bushels, 1987..	-	7 180	71 920	40 427	-	670 606	105 082	223 469
1982..	-	16 160	215 537	68 723	(D)	846 116	131 847	333 079
Soybeans for beans .... farms, 1987..	-	-	25	-	-	692	244	293
1982..	-	-	27	-	1	793	351	365
acres, 1987..	-	-	1 016	-	-	100 624	28 889	28 217
1982..	-	-	1 050	-	(D)	105 365	42 480	33 793
bushels, 1987..	-	-	33 858	-	-	3 841 754	1 106 673	1 106 580
1982..	-	-	29 567	-	(D)	3 462 073	1 151 390	1 044 958
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) .... farms, 1987..	42	54	369	111	3	223	223	233
1982..	40	44	434	88	2	234	262	269
acres, 1987..	4 077	6 974	26 907	12 190	(D)	9 435	16 984	10 417
1982..	3 792	3 922	23 139	9 814	(D)	9 048	16 025	11 759
tons, dry, 1987..	6 543	14 671	72 385	27 980	(D)	28 550	33 742	34 406
1982..	10 141	7 731	77 654	21 700	(D)	32 443	37 003	35 407
Vegetables harvested for sale (see text) .... farms, 1987..	3	1	95	3	-	43	25	19
1982..	-	1	109	-	-	38	34	25
acres, 1987..	(D)	(D)	4 239	(D)	-	2 969	969	(D)
1982..	-	(D)	3 855	-	-	2 067	1 569	(D)
Land in orchards .... farms, 1987..	1	1	71	1	-	7	3	6
1982..	2	-	49	-	1	8	4	6
acres, 1987..	(D)	(D)	6 464	(D)	-	79	(D)	(D)
1982..	(D)	-	5 060	-	(D)	96	262	159

See footnotes at end of table.

Table 16. **Farms With Sales of $10,000 or More: 1987 and 1982**—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
CROPS HARVESTED								
Corn for grain or seed farms, 1987	774	4	425	592	298	402	32	31
1982	873	2	478	739	348	526	46	37
acres, 1987	81 969	100	38 838	71 803	32 074	47 746	3 570	1 534
1982	90 088	(D)	45 422	91 000	48 584	66 571	6 462	3 070
bushels, 1987	8 605 926	12 300	3 423 003	7 221 274	3 372 771	3 095 603	352 847	86 245
1982	8 974 970	(D)	4 593 203	10 173 307	4 619 709	6 561 093	608 649	198 171
Wheat for grain farms, 1987	266	1	250	322	73	284	11	15
1982	336	1	316	467	90	379	27	16
acres, 1987	12 549	(D)	9 688	15 544	3 763	11 402	325	323
1982	13 602	(D)	11 649	19 578	4 166	15 837	1 404	818
bushels, 1987	610 932	(D)	468 419	669 619	171 942	510 263	9 654	12 068
1982	596 567	(D)	447 150	971 771	133 010	608 697	53 772	25 582
Soybeans for beans farms, 1987	353	–	424	283	92	193	40	–
1982	366	–	517	281	128	199	66	–
acres, 1987	36 620	–	60 892	21 496	8 823	16 127	5 024	–
1982	34 955	–	59 450	20 481	9 172	17 443	8 808	–
bushels, 1987	1 305 350	–	2 072 489	843 810	321 472	518 684	149 998	–
1982	977 529	–	1 819 079	696 415	232 789	510 698	206 493	–
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) farms, 1987	667	16	273	270	173	334	11	41
1982	776	12	300	283	204	400	16	51
acres, 1987	69 210	3 816	20 508	18 298	9 876	23 753	314	4 556
1982	65 584	2 520	19 132	16 512	9 078	21 948	1 209	5 758
tons, dry, 1987	184 390	8 707	50 429	46 654	26 675	65 479	888	8 354
1982	185 888	4 020	60 160	48 557	26 051	64 587	1 818	10 303
Vegetables harvested for sale (see text) farms, 1987	16	3	8	31	119	26	28	6
1982	14	–	9	28	150	28	38	8
acres, 1987	564	11	122	1 973	14 476	1 613	1 420	711
1982	739	–	62	1 977	11 655	2 026	1 715	742
Land in orchards farms, 1987	9	–	5	7	221	17	9	1
1982	10	–	7	7	251	18	6	2
acres, 1987	97	–	79	312	17 175	646	98	(D)
1982	245	–	78	269	16 789	815	151	(D)

[1] Data are based on a sample of farms

[2] Data for 1982 include self-propelled only

Table 17. Milk Goats—Inventory and Sales: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sales					
			Milk goats		Goat milk			
	Farms	Number	Farms	Number	Farms	Gallons	Farms	Total sales ($1,000)
STATE TOTAL								
Michigan 1987	533	3 844	173	1 488	51	141 975	198	364
1982	599	4 230	278	2 135	49	72 957	(NA)	199
COUNTIES, 1987								
Allegan	16	118	2	(D)	3	(D)	4	(D)
Alpena	5	9	3	(D)	-	-	3	(D)
Arenac	3	(D)	1	(D)	-	-	1	(D)
Barry	7	22	2	(D)	2	(D)	4	(D)
Berrien	12	104	5	(D)	2	(D)	6	(D)
Branch	15	57	4	13	-	-	4	(Z)
Calhoun	13	47	-	-	1	(D)	1	(D)
Cass	14	117	6	106	4	(D)	6	(D)
Charlevoix	7	18	3	(D)	-	-	3	(Z)
Chippewa	11	(D)	2	(D)	-	-	2	(D)
Clare	8	168	2	(D)	4	(D)	4	(D)
Clinton	11	65	9	71	-	-	9	6
Crawford	3	9	1	(D)	-	-	1	(D)
Eaton	9	63	2	(D)	-	-	2	(D)
Emmet	3	8	-	-	-	-	-	-
Genesee	6	95	6	82	2	(D)	5	(D)
Gladwin	10	103	3	5	1	(D)	4	(D)
Gratiot	6	33	3	(D)	-	-	3	(Z)
Hillsdale	23	86	10	41	-	-	10	2
Houghton	6	20	-	-	-	-	-	-
Huron	7	22	2	(D)	-	-	2	(D)
Ingham	10	45	5	22	-	-	5	1
Ionia	11	34	2	(D)	-	-	2	(D)
Iosco	4	12	-	-	-	-	-	-
Isabella	5	67	3	25	-	-	3	1
Jackson	26	115	7	104	3	(D)	9	3
Kalamazoo	14	58	2	(D)	2	(D)	3	1
Kent	7	34	2	(D)	-	-	2	(D)
Lapeer	12	141	5	34	2	(D)	6	(D)
Leelanau	4	(D)	1	(D)	1	(D)	1	(D)
Lenawee	8	(D)	1	(D)	2	(D)	3	(D)
Livingston	13	62	6	(D)	-	-	6	2
Mason	3	(D)	1	(D)	-	-	1	(D)
Mecosta	3	(D)	1	(D)	2	(D)	2	(D)
Midland	5	30	3	11	1	(D)	3	(D)
Missaukee	4	(D)	1	(D)	1	(D)	1	(D)
Monroe	8	18	-	-	1	(D)	1	(D)
Montcalm	12	97	7	129	-	-	7	4
Newaygo	6	15	5	(D)	2	(D)	5	2
Oakland	22	99	6	106	1	(D)	6	2
Oceana	11	61	2	(D)	1	(D)	3	(D)
Ontonagon	3	(D)	1	(D)	1	(D)	1	(D)
Osceola	8	(D)	-	-	1	(D)	1	(D)
Ottawa	12	73	4	18	-	-	4	(Z)
Saginaw	6	25	1	(D)	-	-	1	(D)
St. Clair	12	168	5	33	4	16 275	8	32
St. Joseph	13	34	1	(D)	-	-	1	(D)
Sanilac	10	101	4	40	1	(D)	4	(D)
Shiawassee	12	180	8	114	1	(D)	8	(D)
Tuscola	15	97	5	32	1	(D)	5	2
Van Buren	18	85	6	(D)	1	(D)	7	1
Washtenaw	9	41	1	(D)	1	(D)	1	(D)
Wayne	7	45	2	(D)	-	-	2	(D)
All other counties	27	262	9	54	2	(D)	11	24

Table 18. Angora Goats—Inventory and Sales: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sales					
			Angora goats		Mohair			
	Farms	Number	Farms	Number	Farms	Pounds	Farms	Total sales ($1,000)
STATE TOTAL								
Michigan 1987	275	14 795	140	6 223	268	144 179	278	544
1982	67	3 852	14	331	53	28 384	(NA)	154

Table 19. **Mink and Their Pelts—Inventory and Sales: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sales		
	Farms	Number	Farms	Number	Sales ($1,000)
STATE TOTAL					
Michigan 1987	73	77 228	76	192 612	8 084
1982	55	71 569	58	156 952	4 236
COUNTIES, 1987					
Allegan	6	7 781	6	12 752	565
Delta	7	10 570	7	30 392	1 272
Genesee	2	(D)	3	(D)	(D)
Kent	6	1 230	5	2 195	90
Mecosta	5	2 900	7	6 885	354
Menominee	7	15 366	7	51 982	(D)
Monroe	2	(D)	3	(D)	(D)
Ottawa	3	(D)	2	(D)	(D)
All other counties	35	36 533	36	85 955	3 658

Table 20. **Colonies of Bees and Honey—Inventory and Sales: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sales					
			Colonies of bees		Honey			
	Farms	Number	Farms	Number	Farms	Pounds	Farms	Total sales ($1,000)
STATE TOTAL								
Michigan 1987	1 163	95 314	78	7 296	609	5 847 186	630	4 161
1982	1 429	82 466	55	9 857	466	4 384 671	(NA)	3 002
COUNTIES, 1987								
Alcona	12	248	1	(D)	6	15 678	6	13
Allegan	38	2 485	2	(D)	21	133 077	22	86
Alpena	6	29	-	-	3	170	3	(D)
Antrim	15	2 953	2	(D)	13	247 975	13	240
Arenac	3	8	-	-	1	(D)	1	(D)
Barry	25	464	1	(D)	7	27 028	8	17
Bay	16	5 651	1	(D)	12	296 016	12	175
Benzie	4	606	-	-	4	37 326	4	(D)
Berrien	40	3 963	1	(D)	18	314 877	18	219
Branch	21	(D)	4	39	9	(D)	10	(D)
Calhoun	17	70	2	(D)	10	856	12	1
Cass	13	461	-	-	3	450	3	(Z)
Charlevoix	12	(D)	1	(D)	8	(D)	8	(D)
Cheboygan	5	74	-	-	2	(D)	2	(D)
Chippewa	12	496	1	(D)	9	24 209	9	25
Clare	11	1 641	-	-	8	(D)	8	(D)
Clinton	20	2 499	-	-	13	186 936	13	115
Crawford	3	4	-	-	-	-	-	-
Delta	5	19	1	(D)	4	5 065	4	3
Eaton	24	1 183	1	(D)	10	70 921	10	48
Emmet	7	137	-	-	1	(D)	1	(D)
Genesee	30	1 202	3	(D)	16	46 248	16	34
Gladwin	16	370	1	(D)	5	8 630	5	6
Grand Traverse	14	648	2	(D)	13	59 213	14	111
Gratiot	14	1 154	3	(D)	10	65 072	10	41
Hillsdale	22	1 282	1	(D)	13	87 001	13	59
Huron	8	4 968	-	-	6	205 630	6	185
Ingham	21	490	2	(D)	6	20 390	8	17
Ionia	18	1 118	1	(D)	8	48 466	8	27
Iosco	6	60	-	-	3	(D)	3	(D)
Isabella	14	4 170	2	(D)	10	318 850	11	197
Jackson	37	2 669	1	(D)	17	83 584	17	49
Kalamazoo	18	685	1	(D)	11	40 435	11	26
Kent	43	2 621	3	(D)	27	93 291	27	97
Lake	7	(D)	-	-	3	(D)	3	(D)
Lapeer	26	1 459	1	(D)	14	69 455	14	41
Leelanau	23	3 043	3	59	13	200 507	16	(D)
Lenawee	23	4 689	2	(D)	15	174 156	15	114
Livingston	24	1 416	2	(D)	14	125 896	14	87
Macomb	11	445	1	(D)	9	17 152	9	13
Manistee	12	1 389	-	-	8	100 576	8	61
Mason	15	1 123	-	-	8	106 890	8	(D)
Mecosta	23	373	2	(D)	12	17 587	13	16
Menominee	3	(D)	2	(D)	2	(D)	2	(D)
Midland	7	150	1	(D)	5	8 927	5	8
Missaukee	8	(D)	-	-	3	(D)	3	(D)
Monroe	17	190	1	(D)	8	3 610	8	3
Montcalm	22	3 468	1	(D)	14	349 358	14	202
Montmorency	3	5	1	(D)	1	(D)	1	(D)
Muskegon	15	93	-	-	2	(D)	2	(D)

Table 20. **Colonies of Bees and Honey—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sales					
			Colonies of bees		Honey			
	Farms	Number	Farms	Number	Farms	Pounds	Farms	Total sales ($1,000)
COUNTIES, 1987 —Con.								
Newaygo	23	5 373	-	-	10	241 706	10	145
Oakland	30	6 599	4	(D)	25	367 252	26	251
Oceana	16	(D)	-	-	8	(D)	8	(D)
Ogemaw	13	970	1	(D)	4	23 394	4	11
Ontonagon	5	389	-	-	5	29 860	5	17
Osceola	12	779	-	-	4	(D)	4	(D)
Oscoda	4	(D)	-	-	1	(D)	1	(D)
Otsego	7	748	-	-	1	(D)	1	(D)
Ottawa	24	514	1	(D)	9	19 410	10	13
Presque Isle	10	535	-	-	5	(D)	5	(D)
Roscommon	4	16	-	-	-	-	-	-
Saginaw	26	1 379	1	(D)	13	105 235	13	53
St. Clair	21	750	3	(D)	10	27 966	12	30
St. Joseph	13	120	1	(D)	6	5 625	7	4
Sanilac	18	1 337	-	-	9	76 780	9	39
Shiawassee	15	354	2	(D)	6	15 878	6	10
Tuscola	18	858	3	(D)	13	71 516	13	41
Van Buren	34	467	2	(D)	12	10 622	13	6
Washtenaw	35	758	-	-	18	37 235	18	32
Wayne	7	(D)	1	(D)	4	(D)	4	35
Wexford	11	1 642	2	(D)	6	95 488	6	64
All other counties	4	445	2	(D)	2	(D)	4	8

Table 21. **Fish Sales: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area		Farms	Pounds (1,000)	Farms	Number (1,000)	Farms	Sales ($1,000)
TROUT							
State Total							
Michigan	1987	21	300	14	397	31	774
	1982	16	322	27	426	41	811
OTHER FISH							
State Total							
Michigan	1987	8	31	5	(D)	12	60
	1982	(NA)	(D)	(NA)	(D)	(NA)	(D)

Table 22. **Miscellaneous Poultry—Inventory and Sales: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sales	
	Farms	Number	Farms	Number
DUCKS				
State Total				
Michigan 1987	696	129 258	164	346 541
1982	1 219	163 010	242	385 379
Counties, 1987				
Allegan	27	10 045	7	11 721
Alpena	10	126	3	34
Antrim	4	(D)	2	(D)
Arenac	3	(D)	1	(D)
Barry	5	(D)	1	(D)
Bay	3	63	2	(D)
Berrien	22	262	4	26
Branch	12	99		-
Calhoun	15	116	2	(D)
Cass	11	119	3	34
Charlevoix	4	20	1	(D)
Cheboygan	4	26	-	-
Chippewa	6	98	1	(D)
Clinton	10	117	1	(D)
Crawford	3	16	-	-
Dickinson	3	9	-	-
Eaton	13	133	3	16
Emmet	5	24	-	-
Genesee	12	348	3	(D)
Gladwin	3	(D)	-	-
Grand Traverse	8	(D)	-	-
Gratiot	19	190	2	(D)
Hillsdale	14	243	6	126
Houghton	7	(D)	3	(D)
Huron	10	177	2	(D)
Ingham	13	156	2	(D)
Ionia	10	103	-	-
Iosco	3	26	1	(D)
Iron	3	(D)	1	(D)
Isabella	4	61	2	(D)
Jackson	17	199	6	35
Kalamazoo	9	(D)	5	(D)
Kent	16	200	2	(D)
Lapeer	21	403	3	46
Lenawee	21	210	1	(D)
Livingston	13	228	4	(D)
Macomb	6	46	2	(D)
Manistee	4	40	3	12
Mason	6	57	1	(D)
Mecosta	11	78	1	(D)
Menominee	4	29	1	(D)
Midland	8	70	3	(D)
Missaukee	3	18	1	(D)
Monroe	29	567	9	619
Montcalm	10	86	1	(D)
Muskegon	4	22	1	(D)
Newaygo	4	36	-	-
Oakland	23	1 404	7	138
Oceana	14	149	4	(D)
Ogemaw	4	65	1	(D)
Osceola	7	46	-	-
Ottawa	16	(D)	5	(D)
Roscommon	4	(D)	2	(D)
Saginaw	20	(D)	4	56
St. Clair	16	153	6	(D)
St. Joseph	11	30 148	4	240 014
Sanilac	13	317	3	(D)
Shiawassee	23	135	4	34
Tuscola	19	453	6	(D)
Van Buren	20	(D)	5	(D)
Washtenaw	18	422	6	336
Wayne	9	252	4	(D)
All other counties	27	242	6	45
GEESE				
State Total				
Michigan 1987	582	5 791	113	1 856
1982	850	7 228	171	4 083
Counties, 1987				
Alcona	3	(D)	-	-
Allegan	19	139	3	14
Alpena	6	31	2	(D)
Barry	8	101	2	(D)
Bay	3	(D)	1	(D)
Berrien	14	101	4	35
Branch	7	(D)	1	(D)
Calhoun	20	126	1	(D)
Cass	19	159	2	(D)
Charlevoix	8	46	-	-

Table 22. **Miscellaneous Poultry—Inventory and Sales: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sales	
	Farms	Number	Farms	Number
GEESE—Con.				
Counties, 1987—Con.				
Chippewa	3	(D)	-	-
Clare	4	(D)	-	-
Clinton	7	53	-	-
Dickinson	4	52	-	-
Eaton	6	115	2	(D)
Emmet	7	41	3	(D)
Genesee	15	122	2	(D)
Gladwin	4	20	-	-
Gratiot	10	49	1	(D)
Hillsdale	11	70	1	(D)
Huron	5	(D)	3	15
Ingham	10	56	-	-
Ionia	7	32	-	-
Iosco	7	70	-	-
Isabella	7	29	2	(D)
Jackson	11	88	2	(D)
Kalamazoo	11	162	3	(D)
Kent	9	92	3	(D)
Lapeer	17	199	3	(D)
Leelanau	3	(D)	1	(D)
Lenawee	8	77	1	(D)
Livingston	13	85	1	(D)
Macomb	9	59	1	(D)
Manistee	5	17	-	-
Marquette	3	(D)	1	(D)
Mason	5	20	-	-
Mecosta	4	49	3	18
Menominee	7	(D)	2	(D)
Midland	6	27	2	(D)
Missaukee	3	15	-	-
Monroe	24	194	6	121
Montcalm	5	16	2	(D)
Newaygo	6	45	2	(D)
Oakland	20	145	6	(D)
Oceana	9	(D)	1	(D)
Ogemaw	3	(D)	-	-
Ontonagon	3	24	-	-
Osceola	3	24	1	(D)
Ottawa	10	231	1	(D)
Saginaw	20	282	3	58
St. Clair	18	149	6	57
St. Joseph	11	270	4	194
Sanilac	15	103	4	26
Shiawassee	15	96	2	(D)
Tuscola	14	184	3	(D)
Van Buren	18	125	5	50
Washtenaw	19	549	3	(D)
Wayne	12	124	7	458
All other counties	29	142	4	48
PIGEONS OR SQUAB				
State Total				
Michigan 1987	63	5 196	15	2 584
1982	60	5 267	15	2 336
PHEASANTS				
State Total				
Michigan 1987	107	14 607	51	73 631
1982	81	11 226	38	54 941
QUAIL				
State Total				
Michigan 1987	25	9 679	14	24 095
1982	21	2 523	10	9 152
OTHER POULTRY				
State Total				
Michigan 1987	110	7 437	36	7 796
1982	141	3 529	30	1 980
POULTRY HATCHED (SEE TEXT)				
State Total				
Michigan 1987	136	1 734 042	313	11 217 376
1982	204	1 448 154	538	9 126 631

Table 23. Miscellaneous Livestock and Animal Specialties—Inventory and Sales: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sales		
	Farms	Number	Farms	Number	Sales ($1,000)
MULES, BURROS, AND DONKEYS					
State Total					
Michigan 1987	273	589	39	69	20
1982	150	329	17	27	7
GOATS, TOTAL					
State Total					
Michigan 1987	1 234	21 405	469	9 252	(NA)
1982	1 245	11 126	505	4 027	(NA)
Counties, 1987					
Allegan	40	641	12	264	(NA)
Alpena	9	21	5	61	(NA)
Antrim	3	(D)	-	-	(NA)
Arenac	6	30	2	(D)	(NA)
Barry	30	968	14	202	(NA)
Bay	3	(D)	1	(D)	(NA)
Benzie	4	15	-	-	(NA)
Berrien	28	290	11	185	(NA)
Branch	22	172	7	(D)	(NA)
Calhoun	44	523	16	271	(NA)
Cass	29	228	8	143	(NA)
Charlevoix	10	200	4	58	(NA)
Cheboygan	6	9	4	(D)	(NA)
Chippewa	21	1 791	8	495	(NA)
Clare	11	313	4	42	(NA)
Clinton	23	317	13	163	(NA)
Crawford	4	(D)	2	(D)	(NA)
Eaton	30	277	11	223	(NA)
Emmet	3	12	1	(D)	(NA)
Genesee	15	233	10	139	(NA)
Gladwin	11	157	3	5	(NA)
Grand Traverse	7	56	1	(D)	(NA)
Gratiot	14	(D)	4	37	(NA)
Hillsdale	38	415	14	73	(NA)
Houghton	10	(D)	-	-	(NA)
Huron	14	172	6	36	(NA)
Ingham	30	315	14	216	(NA)
Ionia	23	239	6	151	(NA)
Iosco	9	26	1	(D)	(NA)
Iron	4	16	2	(D)	(NA)
Isabella	12	148	6	75	(NA)
Jackson	65	3 088	24	594	(NA)
Kalamazoo	27	149	10	61	(NA)
Kent	22	361	8	279	(NA)
Lake	4	(D)	1	(D)	(NA)
Lapeer	37	559	18	464	(NA)
Leelanau	6	121	3	(D)	(NA)
Lenawee	32	495	11	405	(NA)
Livingston	29	192	12	106	(NA)
Macomb	10	100	3	28	(NA)
Manistee	8	(D)	2	(D)	(NA)
Mason	8	42	1	(D)	(NA)
Mecosta	9	254	8	280	(NA)
Menominee	5	(D)	2	(D)	(NA)
Midland	18	199	8	119	(NA)
Missaukee	7	70	2	(D)	(NA)
Monroe	23	95	2	(D)	(NA)
Montcalm	27	155	15	266	(NA)
Muskegon	5	10	3	7	(NA)
Newaygo	14	458	9	159	(NA)
Oakland	40	333	16	162	(NA)
Oceana	13	83	3	(D)	(NA)
Ogemaw	4	(D)	5	(D)	(NA)
Ontonagon	5	40	2	(D)	(NA)
Osceola	13	394	4	(D)	(NA)
Ottawa	33	414	14	126	(NA)
Saginaw	15	190	9	(D)	(NA)
St. Clair	27	706	8	77	(NA)
St. Joseph	29	452	10	330	(NA)
Sanilac	24	435	6	86	(NA)
Shiawassee	30	653	21	298	(NA)
Tuscola	26	313	11	352	(NA)
Van Buren	33	188	12	85	(NA)
Washtenaw	37	567	9	112	(NA)
Wayne	16	79	3	21	(NA)
All other counties	20	223	4	54	(NA)
GOATS, EXCEPT ANGORA AND MILK					
State Total					
Michigan 1987	663	2 766	214	1 541	58
1982	649	3 044	226	1 561	40

Table 23. Miscellaneous Livestock and Animal Specialties—Inventory and Sales: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area		Inventory		Sales		
		Farms	Number	Farms	Number	Sales ($1,000)
RABBITS AND THEIR PELTS						
State Total						
Michigan	1987	618	20 540	236	43 550	451
	1982	482	34 332	254	66 163	576
OTHER LIVESTOCK AND LIVESTOCK PRODUCTS						
State Total						
Michigan	1987	145	(X)	113	(X)	10 818
	1982	(NA)	(X)	(NA)	(X)	(D)

Table 24. Grains—Corn, Sorghum, Wheat, and Other Small Grains: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
CORN FOR GRAIN OR SEED (BUSHELS)										
State Total										
Michigan	25 140	1 982 401	189 779 819	979	134 704	30 792	2 568 541	256 473 754	814	135 474
Counties										
Alcona	35	1 537	155 740	-	-	25	1 248	87 364	-	-
Alger	6	138	13 800	-	-	3	60	5 200	-	-
Allegan	827	69 009	6 221 646	37	3 137	1 107	100 601	10 332 740	25	2 808
Alpena	94	3 373	302 645	-	-	100	3 502	220 308	-	-
Antrim	81	4 439	416 034	5	(D)	80	5 338	394 686	3	(D)
Arenac	175	11 538	1 099 357	4	166	200	13 424	1 149 050	2	(D)
Baraga	4	53	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Barry	469	31 050	2 802 637	14	1 705	663	45 900	4 432 252	12	1 489
Bay	477	35 358	3 624 188	17	1 110	595	45 976	4 879 169	9	764
Benzie	26	705	42 465	-	-	22	590	46 748	-	-
Berrien	500	38 166	3 895 815	12	2 580	725	48 867	4 763 340	14	1 151
Branch	810	68 339	7 211 967	115	15 138	954	93 624	9 151 376	107	16 125
Calhoun	755	64 654	5 436 815	40	5 948	899	90 882	8 944 647	42	6 966
Cass	552	58 618	5 890 101	54	8 143	672	73 798	7 541 180	44	7 502
Charlevoix	57	2 563	226 197	-	-	80	2 941	207 708	2	(D)
Cheboygan	36	724	59 725	-	-	42	1 077	75 940	1	(D)
Chippewa	5	161	8 420	-	-	8	446	65 228	-	-
Clare	85	3 639	227 055	1	(D)	121	6 826	474 763	2	(D)
Clinton	812	50 452	4 770 290	8	819	908	61 313	6 896 091	8	(D)
Delta	33	1 159	109 784	-	-	40	1 422	114 033	-	-
Dickinson	9	443	37 270	-	-	12	553	42 450	-	-
Eaton	744	50 111	4 831 215	11	454	871	65 751	6 930 120	8	693
Emmet	53	2 186	209 678	-	-	51	1 860	136 335	-	-
Genesee	370	36 725	3 198 058	2	(D)	458	45 652	4 320 291	3	(D)
Gladwin	166	6 303	442 749	-	-	226	10 461	717 505	-	-
Grand Traverse	97	6 404	352 151	2	(D)	111	7 387	466 201	-	-
Gratiot	664	61 687	6 080 073	9	473	797	70 343	8 195 077	11	1 174
Hillsdale	804	69 648	6 422 151	23	2 842	987	96 872	9 370 851	20	2 958
Houghton	7	309	35 960	-	-	6	112	10 440	-	-
Huron	1 022	95 978	9 516 420	15	854	1 199	111 847	11 730 549	6	(D)
Ingham	528	55 236	4 564 646	2	(D)	652	75 794	7 919 562	6	714
Ionia	747	54 841	5 487 336	12	1 222	821	67 463	7 654 149	12	1 158
Iosco	74	2 641	223 230	-	-	91	6 971	469 241	1	(D)
Isabella	490	33 545	2 581 707	8	434	561	41 941	3 381 402	2	(D)
Jackson	656	55 799	3 866 457	18	3 716	854	81 939	7 611 505	15	4 436
Kalamazoo	403	43 636	4 391 393	54	9 810	516	54 769	5 480 156	38	9 667
Kalkaska	41	1 343	114 951	5	479	37	1 898	79 115	7	730
Kent	596	39 847	3 684 369	15	2 016	807	58 566	5 689 725	12	1 308
Lake	20	256	15 860	-	-	43	1 145	90 702	1	(D)
Lapeer	562	46 631	4 922 521	3	124	757	56 614	5 490 422	1	(D)
Leelanau	69	3 121	241 705	1	(D)	82	3 938	299 106	-	-
Lenawee	941	92 830	9 007 354	9	1 435	1 128	136 569	14 615 208	8	1 529
Livingston	352	28 864	2 999 166	2	(D)	446	38 519	3 704 573	3	(D)
Macomb	240	15 496	1 710 229	1	(D)	318	17 406	1 505 260	1	(D)
Manistee	62	1 496	74 909	1	(D)	74	2 214	130 780	1	(D)
Mason	154	7 959	636 048	6	498	202	12 649	1 112 629	3	(D)
Mecosta	274	11 825	842 597	12	1 158	354	17 943	1 449 878	9	1 322
Menominee	113	6 524	566 436	-	-	121	7 215	520 173	-	-
Midland	240	19 602	1 913 103	5	276	260	22 886	2 352 952	6	479
Missaukee	76	4 236	296 833	10	581	131	7 312	543 590	10	514

Table 24. **Grains—Corn, Sorghum, Wheat, and Other Small Grains: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
CORN FOR GRAIN OR SEED (BUSHELS)—Con.										
Counties—Con.										
Monroe	719	56 040	5 895 726	6	562	879	75 234	7 878 926	5	422
Montcalm	605	41 000	3 629 977	87	8 062	710	55 428	5 402 211	56	7 499
Montmorency	24	1 561	142 027	-	-	19	949	55 778	1	(D)
Muskegon	175	15 968	1 280 638	4	(D)	232	20 078	1 613 459	5	(D)
Newaygo	334	17 133	1 514 391	9	1 031	442	24 128	2 150 403	5	(D)
Oakland	105	14 268	1 501 057	1	(D)	155	15 793	1 408 222	3	(D)
Oceana	203	8 599	714 264	6	353	281	11 846	1 028 116	8	495
Ogemaw	103	6 848	604 420	1	(D)	109	5 268	351 185	-	-
Osceola	98	4 509	336 676	3	260	157	6 064	473 771	3	240
Oscoda	14	290	15 145	-	-	20	490	35 330	-	-
Otsego	35	814	74 473	-	-	38	812	49 160	-	-
Ottawa	683	42 328	4 055 681	38	1 997	801	54 032	5 746 298	26	1 824
Presque Isle	68	2 839	258 173	1	(D)	56	2 267	153 870	2	(D)
Saginaw	830	61 461	6 799 074	8	587	897	62 878	7 216 128	4	(D)
St. Clair	444	29 812	3 246 807	1	(D)	564	39 906	3 587 665	2	(D)
St. Joseph	653	79 798	9 435 911	209	44 080	751	90 652	9 960 957	183	43 526
Sanilac	988	85 554	8 899 671	1	(D)	1 093	93 981	9 250 795	3	(D)
Schoolcraft	4	100	12 300	-	-	5	30	2 218	-	-
Shiawassee	601	41 765	3 607 542	5	355	722	49 343	4 885 848	4	(D)
Tuscola	806	75 513	7 492 717	15	1 054	1 027	96 423	10 585 582	7	708
Van Buren	430	35 282	3 615 044	33	4 748	593	52 990	4 925 697	29	5 156
Washtenaw	672	53 481	4 358 691	15	1 825	827	74 475	7 002 146	11	1 717
Wayne	78	4 127	391 641	-	-	107	7 459	675 243	1	(D)
Wexford	46	1 733	97 135	1	(D)	59	3 331	211 345	1	(D)
All other counties	9	121	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
SORGHUM FOR GRAIN OR SEED (BUSHELS)										
State Total										
Michigan	31	650	45 539	-	-	30	844	48 789	-	-
Counties										
Cass	3	(D)	(D)	-	-	4	230	14 180	-	-
St. Clair	3	35	870	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
St. Joseph	3	29	1 710	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Van Buren	3	(D)	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Washtenaw	4	(D)	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
All other counties	15	196	10 854	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
WHEAT FOR GRAIN (BUSHELS)										
State Total										
Michigan	10 327	356 073	16 465 394	80	5 851	15 416	513 445	20 764 229	59	5 041
Counties										
Alcona	13	468	19 762	-	-	45	1 411	63 216	-	-
Allegan	266	6 329	267 034	2	(D)	399	9 862	421 131	1	(D)
Alpena	50	803	29 624	-	-	142	3 478	165 811	-	-
Antrim	17	1 031	35 814	3	(D)	34	1 560	42 208	3	(D)
Arenac	100	3 559	185 507	2	(D)	112	4 041	222 500	1	(D)
Barry	237	7 953	311 952	1	(D)	340	12 290	446 655	3	23
Bay	199	4 179	231 252	1	(D)	305	6 757	329 048	1	(D)
Benzie	3	25	650	-	-	3	72	(D)	-	-
Berrien	182	5 524	264 439	1	(D)	288	8 800	278 969	-	-
Branch	273	7 210	312 779	2	(D)	387	11 823	446 913	-	-
Calhoun	414	13 774	569 849	-	-	510	20 795	813 723	-	-
Cass	158	5 783	268 196	2	(D)	235	8 040	255 249	2	(D)
Charlevoix	6	67	1 930	-	-	23	300	10 594	-	-
Cheboygan	11	236	13 305	-	-	41	927	34 785	1	(D)
Chippewa	9	178	5 810	-	-	50	618	18 173	-	-
Clare	32	845	28 327	-	-	79	2 288	106 903	-	-
Clinton	494	15 533	887 557	2	(D)	689	21 997	815 130	1	(D)
Eaton	444	19 606	873 556	1	(D)	625	25 246	1 106 947	-	-
Emmet	10	129	5 060	-	-	12	75	1 965	-	-
Genesee	142	5 450	230 926	-	-	153	4 648	163 841	-	-
Gladwin	67	1 519	61 695	-	-	122	3 419	145 105	-	-
Grand Traverse	47	1 446	49 798	-	-	50	1 636	50 551	-	-
Gratiot	260	9 273	439 413	2	(D)	441	14 972	697 206	2	(D)
Hillsdale	324	8 098	375 760	-	-	496	14 680	527 811	1	(D)
Huron	593	23 356	1 371 331	1	(D)	706	23 145	1 132 560	1	(D)
Ingham	283	13 538	655 440	-	-	318	16 316	690 118	-	-
Ionia	418	16 262	712 061	2	(D)	534	22 112	848 321	1	(D)
Iosco	14	385	12 942	-	-	43	1 244	50 910	-	-
Isabella	257	8 281	349 521	1	(D)	375	10 568	459 299	2	(D)
Jackson	290	9 052	359 503	1	(D)	360	11 920	465 049	-	-

Table 24. **Grains—Corn, Sorghum, Wheat, and Other Small Grains: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
WHEAT FOR GRAIN (BUSHELS)—Con.										
Counties—Con.										
Kalamazoo	200	10 528	436 500	6	338	282	15 808	628 690	1	(D)
Kalkaska	14	511	23 152	2	(D)	23	968	35 042	8	484
Kent	205	5 565	243 064	1	(D)	328	9 098	366 212	2	(D)
Lake	3	(D)	2 550	-	-	24	401	12 999	-	-
Lapeer	160	4 966	214 661	1	(D)	261	7 065	259 267	1	(D)
Leelanau	13	207	7 184	-	-	23	380	11 113	-	-
Lenawee	493	19 552	972 266	1	(D)	710	28 944	1 139 134	-	-
Livingston	155	5 449	229 638	-	-	217	6 784	261 677	-	-
Mackinac	6	154	6 005	-	-	7	122	4 400	-	-
Macomb	68	1 926	90 293	-	-	133	2 784	94 755	-	-
Manistee	17	460	10 303	-	-	32	614	20 091	-	-
Mason	49	1 550	60 686	-	-	160	5 540	211 566	-	-
Mecosta	85	1 867	58 956	-	-	168	4 469	160 287	2	(D)
Midland	68	2 168	120 872	-	-	103	3 259	169 049	1	(D)
Missaukee	20	361	11 317	1	(D)	44	977	42 979	-	-
Monroe	249	8 510	439 168	1	(D)	380	11 517	386 068	-	-
Montcalm	281	12 634	488 076	16	1 160	432	20 374	790 607	8	733
Montmorency	16	441	12 998	-	-	30	854	31 335	-	-
Muskegon	27	805	33 128	1	(D)	85	2 206	95 311	-	-
Newaygo	63	1 039	41 947	-	-	133	2 031	74 129	-	-
Oakland	43	1 707	71 908	2	(D)	67	2 762	99 967	3	14
Oceana	47	1 003	39 188	-	-	105	2 216	82 264	-	-
Ogemaw	22	1 090	39 684	-	-	65	1 360	63 492	-	-
Ontonagon	4	(D)	1 742	-	-	5	42	1 685	-	-
Osceola	25	458	16 141	1	(D)	77	1 508	61 966	-	-
Otsego	10	248	7 974	1	(D)	23	605	18 850	-	-
Ottawa	109	2 011	82 869	-	-	299	6 199	255 726	-	-
Presque Isle	42	1 194	46 618	-	-	93	2 131	93 043	1	(D)
Saginaw	354	12 071	700 737	2	(D)	546	17 716	891 232	-	-
St. Clair	91	2 962	113 300	-	-	171	3 951	144 975	-	-
St. Joseph	191	5 841	242 451	10	474	325	11 181	370 399	6	475
Sanilac	314	13 372	650 520	1	(D)	404	14 604	628 578	1	(D)
Shiawassee	339	10 916	514 717	1	(D)	444	13 526	500 627	-	-
Tuscola	377	16 309	907 721	2	(D)	552	20 816	1 015 347	1	(D)
Van Buren	110	4 209	189 387	2	(D)	125	4 615	146 557	2	(D)
Washtenaw	398	13 052	575 650	4	296	525	17 912	672 868	2	(D)
Wayne	21	422	13 761	-	-	43	1 551	57 986	-	-
Wexford	18	347	12 708	-	-	24	914	27 747	-	-
All other counties	6	173	4 761	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
BARLEY FOR GRAIN (BUSHELS)										
State Total										
Michigan	1 571	46 090	2 454 284	4	64	1 093	35 108	2 073 250	3	18
Counties										
Alcona	11	212	10 720	-	-	12	152	8 090	-	-
Alger	11	363	20 139	-	-	15	476	23 800	-	-
Allegan	24	265	7 724	-	-	14	294	13 320	-	-
Alpena	18	465	25 900	-	-	20	437	20 170	-	-
Antrim	4	108	2 280	-	-	9	220	10 070	-	-
Arenac	5	172	9 580	-	-	3	24	1 500	-	-
Baraga	11	162	7 954	-	-	6	257	9 874	-	-
Barry	18	256	9 194	-	-	8	204	10 587	-	-
Bay	8	305	16 542	-	-	4	162	(D)	-	-
Berrien	4	26	1 555	-	-	3	80	2 675	-	-
Branch	3	19	950	-	-	4	45	2 226	-	-
Calhoun	14	256	7 162	-	-	5	107	7 189	-	-
Cass	10	263	14 750	1	(D)	8	170	7 741	-	-
Charlevoix	14	260	11 560	-	-	18	469	22 785	-	-
Cheboygan	31	747	44 809	-	-	38	779	44 903	-	-
Chippewa	33	597	25 215	-	-	34	620	23 952	-	-
Clare	24	457	19 569	-	-	10	303	13 750	-	-
Clinton	37	790	37 980	-	-	12	227	13 603	-	-
Delta	61	2 634	136 330	-	-	82	3 041	164 358	-	-
Dickinson	5	191	6 290	-	-	12	413	22 044	-	-
Eaton	17	712	9 787	-	-	15	244	14 439	-	-
Emmet	19	309	20 615	-	-	12	104	3 936	-	-
Genesee	15	450	23 892	-	-	3	(D)	(D)	-	-
Gladwin	36	635	23 902	-	-	21	364	18 650	-	-
Gratiot	17	349	18 710	-	-	9	91	4 810	-	-
Hillsdale	11	140	5 971	-	-	5	41	2 100	-	-
Houghton	16	286	11 336	-	-	13	221	11 860	-	-
Huron	204	8 433	564 264	-	-	95	4 870	368 570	-	-
Ingham	14	184	11 126	-	-	10	455	23 460	-	-
Ionia	41	1 638	65 371	1	(D)	25	596	34 413	-	-
Iosco	7	185	9 259	-	-	3	128	10 435	-	-
Iron	5	83	4 460	-	-	15	215	9 170	-	-
Isabella	62	1 494	74 412	-	-	29	1 088	59 409	-	-
Jackson	11	162	7 910	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Kalamazoo	7	98	3 845	-	-	10	259	11 176	-	-
Kent	29	677	32 464	-	-	10	311	19 470	-	-
Lake	4	27	475	-	-	3	26	(D)	-	-
Lapeer	29	631	35 597	-	-	18	528	28 300	-	-
Lenawee	16	196	12 319	1	(D)	3	(D)	(D)	-	-
Livingston	3	(D)	2 025	-	-	4	(D)	(D)	-	-

Table 24. **Grains—Corn, Sorghum, Wheat, and Other Small Grains: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
BARLEY FOR GRAIN (BUSHELS)—Con.										
Counties—Con.										
Luce	5	135	5 860	-	-	3	(D)	(D)	-	-
Mackinac	14	342	15 660	-	-	16	563	20 180	-	-
Macomb	6	99	5 210	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Manistee	9	76	2 192	-	-	8	97	3 515	-	-
Marquette	5	298	12 000	-	-	7	288	14 461	-	-
Mason	10	133	5 940	-	-	11	177	5 748	-	-
Mecosta	15	371	10 667	-	-	7	623	37 307	-	-
Menominee	82	2 674	124 312	1	(D)	98	2 971	150 504	1	(D)
Missaukee	5	56	2 220	-	-	7	129	8 335	-	-
Monroe	5	40	2 460	-	-	4	(D)	5 240	1	(D)
Montcalm	46	1 150	65 677	-	-	20	362	21 428	-	-
Montmorency	8	194	12 994	-	-	8	232	13 610	-	-
Muskegon	6	161	7 392	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Newaygo	13	117	3 880	-	-	10	282	14 550	-	-
Oceana	8	183	7 200	-	-	5	72	3 365	-	-
Ogemaw	17	601	32 062	-	-	11	419	23 718	1	(D)
Ontonagon	5	40	1 315	-	-	4	43	1 080	-	-
Osceola	16	350	12 337	-	-	13	380	21 936	-	-
Oscoda	3	39	(D)	-	-	3	54	2 750	-	-
Ottawa	25	504	23 637	-	-	3	79	3 900	-	-
Presque Isle	42	1 068	53 785	-	-	31	597	36 028	-	-
Saginaw	7	182	7 360	-	-	8	251	17 010	-	-
St. Clair	30	895	38 844	-	-	5	60	3 830	-	-
St. Joseph	9	89	4 010	-	-	7	80	2 405	-	-
Sanilac	117	5 723	345 446	-	-	43	2 392	163 218	-	-
Schoolcraft	10	378	16 495	-	-	13	468	20 011	-	-
Shiawassee	30	910	57 017	-	-	15	214	13 209	-	-
Tuscola	39	2 456	147 320	-	-	56	4 936	350 414	-	-
Van Buren	14	279	15 710	-	-	8	163	9 389	-	-
Washtenaw	50	1 112	53 547	-	-	12	194	10 785	-	-
All other counties	11	(D)	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
BUCKWHEAT (BUSHELS)										
State Total										
Michigan	68	881	14 630	2	(D)	44	759	8 633	-	-
Counties										
Cheboygan	3	(D)	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Eaton	3	(D)	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Genesee	3	(D)	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Grand Traverse	3	(D)	560	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Ionia	3	(D)	235	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Kent	3	(D)	680	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Montcalm	6	(D)	1 834	-	-	9	137	1 706	-	-
Muskegon	3	(D)	268	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
St. Clair	3	17	280	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Shiawassee	3	6	80	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Washtenaw	4	16	270	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
All other counties	31	503	7 492	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
EMMER AND SPELT (BUSHELS)										
State Total										
Michigan	22	368	24 291	-	-	53	670	36 316	-	-
Counties										
Branch	3	(D)	(D)	-	-	3	34	1 300	-	-
Ottawa	4	66	4 225	-	-	10	160	9 150	-	-
St. Joseph	3	(D)	1 800	-	-	3	49	2 570	-	-
All other counties	12	254	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
OATS FOR GRAIN (BUSHELS)										
State Total										
Michigan	11 392	259 445	14 634 547	45	1 003	16 627	398 618	24 770 648	42	529

Table 24. **Grains—Corn, Sorghum, Wheat, and Other Small Grains: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
OATS FOR GRAIN (BUSHELS)—Con.										
Counties										
Alcona	33	682	34 658	-	-	90	2 053	105 795	-	-
Alger	9	92	2 502	-	-	17	332	12 109	-	-
Allegan	306	5 312	224 500	1	(D)	404	6 641	302 728	-	-
Alpena	179	5 333	261 399	-	-	251	7 437	461 279	-	-
Antrim	32	684	22 470	-	-	45	984	39 799	2	(D)
Arenac	98	2 669	156 472	-	-	131	3 305	224 829	1	(D)
Baraga	15	280	9 048	-	-	29	456	15 485	-	-
Barry	131	2 521	104 499	-	-	266	6 033	323 492	-	-
Bay	132	1 745	106 430	2	(D)	163	2 060	133 518	-	-
Benzie	4	17	415	-	-	7	112	4 253	-	-
Berrien	63	992	52 731	-	-	101	1 212	53 138	-	-
Branch	157	2 366	113 158	-	-	248	4 409	237 498	-	-
Calhoun	222	4 597	235 360	-	-	379	9 434	546 404	-	-
Cass	107	1 980	97 445	-	-	135	2 660	114 232	-	-
Charlevoix	29	492	24 639	-	-	60	835	34 447	1	(D)
Cheboygan	34	547	32 759	-	-	72	1 140	47 043	1	(D)
Chippewa	155	3 859	179 551	-	-	192	5 326	193 254	1	(D)
Clare	78	1 631	79 992	-	-	128	3 453	189 273	-	-
Clinton	374	6 494	384 661	1	(D)	583	11 786	743 795	-	-
Delta	75	1 985	82 533	-	-	107	2 689	149 498	-	-
Dickinson	22	802	39 360	1	(D)	34	1 156	58 611	-	-
Eaton	199	3 463	192 286	1	(D)	358	6 533	406 409	-	-
Emmet	52	1 209	59 783	-	-	76	1 387	58 344	-	-
Genesee	232	6 552	370 289	-	-	337	10 370	629 786	-	-
Gladwin	129	2 704	136 366	-	-	176	3 576	207 366	-	-
Gogebic	6	51	(D)	-	-	30	257	9 360	-	-
Grand Traverse	54	1 088	38 997	-	-	73	1 100	49 374	-	-
Gratiot	230	4 680	303 522	-	-	363	8 165	554 988	-	-
Hillsdale	193	3 304	174 413	-	-	339	6 883	438 272	2	(D)
Houghton	45	948	36 924	-	-	78	1 489	50 647	-	-
Huron	653	17 195	1 242 557	-	-	842	24 420	2 030 996	-	-
Ingham	152	2 743	162 844	-	-	262	6 784	432 707	1	(D)
Ionia	357	7 489	400 968	1	(D)	447	10 899	633 478	-	-
Iosco	50	1 063	55 578	-	-	91	2 370	148 872	1	(D)
Iron	25	742	33 055	-	-	40	1 028	45 804	-	-
Isabella	293	7 313	441 645	1	(D)	374	8 786	506 329	-	-
Jackson	230	4 518	190 355	1	(D)	335	8 595	495 954	-	-
Kalamazoo	102	2 482	111 234	-	-	164	4 215	192 237	1	(D)
Kalkaska	6	88	2 193	1	(D)	17	222	9 500	4	46
Kent	296	5 961	286 411	1	(D)	400	9 085	488 650	-	-
Lake	21	271	10 654	-	-	36	524	25 556	-	-
Lapeer	326	8 380	526 060	2	(D)	457	11 221	754 975	-	-
Leelanau	32	374	13 324	-	-	48	706	32 667	-	-
Lenawee	219	4 126	230 177	1	(D)	345	7 579	491 408	-	-
Livingston	155	3 484	210 655	-	-	191	4 758	301 795	-	-
Luce	7	179	7 710	-	-	14	526	13 815	-	-
Mackinac	22	659	26 235	-	-	46	1 214	42 923	-	-
Macomb	125	2 842	179 009	-	-	200	4 809	290 418	-	-
Manistee	21	263	6 046	-	-	40	471	15 686	-	-
Marquette	21	299	15 278	-	-	30	580	28 570	1	(D)
Mason	103	1 955	102 341	-	-	147	3 197	184 813	1	(D)
Mecosta	152	2 725	107 084	-	-	194	3 352	168 979	-	-
Menominee	105	1 972	90 763	-	-	207	4 753	234 709	1	(D)
Midland	71	1 257	74 775	1	(D)	99	1 676	97 975	1	(D)
Missaukee	81	1 617	61 236	2	(D)	143	3 443	204 804	2	(D)
Monroe	208	3 927	250 635	1	(D)	337	6 560	421 362	-	-
Montcalm	272	6 329	330 401	9	199	361	8 511	472 586	2	(D)
Montmorency	46	1 185	62 715	-	-	60	2 264	112 075	-	-
Muskegon	69	1 350	76 518	-	-	98	1 744	98 960	1	(D)
Newaygo	144	2 340	110 295	-	-	172	2 651	126 241	-	-
Oakland	58	1 379	80 127	2	(D)	70	1 971	112 614	-	-
Oceana	57	910	42 054	2	(D)	84	1 097	57 425	-	-
Ogemaw	77	2 166	135 650	1	(D)	134	3 555	237 323	-	-
Ontonagon	37	1 014	30 439	-	-	49	890	24 671	-	-
Osceola	89	1 658	59 699	-	-	173	3 771	209 265	1	(D)
Oscoda	15	141	6 544	-	-	23	211	11 090	-	-
Otsego	40	1 036	36 668	1	(D)	71	1 767	86 679	1	(D)
Ottawa	267	4 595	210 925	2	(D)	341	5 177	287 185	-	-
Presque Isle	146	5 425	274 568	1	(D)	199	6 679	360 906	4	64
Saginaw	306	4 931	342 267	1	(D)	415	6 853	471 121	-	-
St. Clair	320	8 824	555 157	-	-	493	12 623	882 891	-	-
St. Joseph	102	1 666	72 255	1	(D)	118	2 087	90 597	3	(D)
Sanilac	780	27 771	1 832 916	4	96	1 106	42 785	3 234 891	8	73
Schoolcraft	16	270	14 540	-	-	23	730	23 222	-	-
Shiawassee	488	12 500	800 232	1	(D)	622	19 321	1 286 571	-	-
Tuscola	342	9 700	644 360	1	(D)	531	12 409	913 177	1	(D)
Van Buren	72	1 372	53 526	-	-	103	1 813	69 683	-	-
Washtenaw	364	8 837	425 289	1	(D)	501	12 701	818 462	-	-
Wayne	23	429	16 736	-	-	38	628	25 846	-	-
Wexford	29	575	21 777	-	-	58	1 256	62 109	-	-
All other counties	5	39	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)

Table 24. **Grains—Corn, Sorghum, Wheat, and Other Small Grains: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
POPCORN (POUNDS, SHELLED)										
State Total										
Michigan	75	6 327	18 062 381	28	2 395	54	5 027	17 561 702	22	2 454
Counties										
Branch	15	1 203	4 200 836	9	558	6	780	2 861 638	6	568
Calhoun	6	491	953 950	2	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Hillsdale	5	389	1 311 000	2	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Lenawee	9	879	1 332 949	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
St. Joseph	26	2 693	8 408 453	12	1 356	24	2 358	8 075 067	9	1 274
All other counties	14	672	1 855 193	2	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
RYE FOR GRAIN (BUSHELS)										
State Total										
Michigan	822	13 517	375 860	16	452	938	14 818	391 576	10	434
Counties										
Alcona	5	58	1 130	-	-	4	21	562	-	-
Allegan	41	669	17 212	1	(D)	38	502	11 179	-	-
Alpena	10	123	3 313	-	-	10	109	2 943	-	-
Antrim	13	261	6 660	1	(D)	9	224	6 195	1	(D)
Barry	7	106	3 617	-	-	4	(D)	1 793	-	-
Bay	9	259	7 171	-	-	21	98	3 540	1	(D)
Benzie	4	73	940	-	-	9	156	3 267	-	-
Berrien	36	601	15 124		-	26	294	6 891	-	-
Branch	13	149	4 486	-	-	12	144	3 867	-	-
Calhoun	17	205	5 530	-	-	12	267	7 672	-	-
Cass	14	219	5 294	-	-	16	258	6 817	-	-
Charlevoix	7	43	860	-	-	11	110	3 338	-	-
Cheboygan	3	8	(D)	-	-	6	(D)	1 605	-	-
Clare	7	84	1 171	-	-	14	149	3 205	-	-
Clinton	10	337	13 230	-	-	11	212	8 146	-	-
Delta	3	34	626	-	-	6	47	1 520	-	-
Eaton	11	93	2 346	-	-	8	98	4 060	-	-
Emmet	3	20	390	-	-	7	58	1 210	-	-
Genesee	8	87	2 515	-	-	11	128	3 108	-	-
Gladwin	10	71	2 113	-	-	4	26	793	-	-
Grand Traverse	12	190	5 450	1	(D)	23	357	7 466	-	-
Gratiot	24	1 034	34 364	-	-	25	647	17 321	-	-
Hillsdale	11	124	5 220	-	-	16	209	8 276	-	-
Huron	9	89	2 550	-	-	8	64	3 260	-	-
Ingham	9	150	5 027	-	-	11	159	4 868	-	-
Ionia	4	28	737	-	-	4	72	2 280	-	-
Isabella	14	233	6 177	-	-	15	380	9 988	-	-
Jackson	12	181	3 815	-	-	11	88	2 091	-	-
Kalamazoo	9	198	3 765	1	(D)	18	276	8 589	-	-
Kalkaska	6	111	2 720	1	(D)	6	180	4 484	1	(D)
Kent	21	435	12 422	-	-	36	556	13 968	1	(D)
Lapeer	3	(D)	(D)	-	-	5	37	1 229	-	-
Leelanau	12	261	7 267	-	-	18	360	10 905	-	-
Lenawee	14	457	15 960	-	-	15	98	3 188	-	-
Livingston	10	121	3 266	-	-	3	23	(D)	-	-
Macomb	7	78	2 045	-	-	3	23	625	-	-
Manistee	15	187	3 175	-	-	23	425	6 685	1	(D)
Mason	13	175	4 014	-	-	23	333	7 220	-	
Mecosta	30	546	14 292	2	(D)	41	618	17 348	-	-
Menominee	6	67	1 986	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Missaukee	5	26	(D)	-	-	4	34	430	-	-
Monroe	12	148	3 547	-	-	10	577	19 752	-	-
Montcalm	66	1 281	31 913	6	127	65	1 225	32 611	-	-
Muskegon	8	57	1 286	-	-	8	133	5 305	-	-
Newaygo	17	142	3 343	1	(D)	13	188	3 547	2	(D)
Oakland	4	23	490	1	(D)	3	(D)	(D)	-	-
Oceana	41	564	13 678	-	-	63	814	20 238	-	-
Osceola	6	58	690	-	-	9	264	3 705	-	-
Otsego	5	54	1 325	-	-	11	142	3 845	-	-
Ottawa	33	333	8 750	1	(D)	29	337	10 014	3	6
Presque Isle	26	548	15 090	-	-	19	199	5 277	-	-
Saginaw	12	169	6 360	-	-	11	97	3 523	-	-
St. Joseph	30	559	22 401	-	-	32	698	16 427	-	-
Sanilac	7	167	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Shiawassee	10	98	3 107	-	-	10	338	9 831	-	-
Tuscola	13	148	4 654	-	-	23	397	12 674	-	-
Van Buren	21	516	12 487	-	-	20	512	10 765	-	-
Washtenaw	13	238	5 717	-	-	17	301	9 108	-	-
Wexford	3	22	485	-	-	5	109	2 890	-	-
All other counties	18	(D)	2 873	-	-	(NA)	(NA)	(NA)	(NA)	(NA)

Table 24. Grains—Corn, Sorghum, Wheat, and Other Small Grains: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
SUNFLOWER SEED (POUNDS)										
State Total										
Michigan	67	3 041	3 273 492	3	(D)	105	5 541	6 095 118	-	-
Counties										
Allegan	4	(D)	236 850	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Alpena	3	(D)	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Ingham	3	(D)	74 000	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Jackson	3	(D)	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Lenawee	4	(D)	(D)	-	-	3	(D)	(D)	-	-
Mecosta	4	(D)	140 000	-	-	3	44	45 600	-	-
Ogemaw	4	78	73 600	-	-	5	126	137 150	-	-
Sanilac	3	(D)	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Van Buren	4	(D)	(D)	1	(D)	4	(D)	(D)	-	-
Washtenaw	4	(D)	208 000	-	-	4	165	241 000	-	-
All other counties	31	1 593	1 753 966	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
TRITICALE (BUSHELS)										
State Total										
Michigan	6	60	1 732	-	-	(NA)	(NA)	(NA)	(NA)	(NA)

Table 25. Cotton, Tobacco, Soybeans, Dry Beans and Peas, Potatoes, Sugar Crops, and Peanuts: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
SOYBEANS FOR BEANS (BUSHELS)										
State Total										
Michigan	12 734	1 023 599	36 267 622	321	21 078	14 905	1 122 617	34 307 197	278	24 942
Counties										
Alcona	4	(D)	628	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Allegan	93	5 452	207 411	3	(D)	118	5 926	200 578	10	518
Alpena	9	487	10 528	-	-	6	406	9 915	-	-
Arenac	94	4 476	147 405	-	-	128	6 918	162 686	1	(D)
Barry	129	9 086	334 342	1	(D)	148	8 506	248 496	5	210
Bay	378	20 318	830 937	3	152	361	18 879	558 461	4	210
Berrien	384	26 110	987 745	5	484	523	26 775	807 431	9	340
Branch	553	33 447	1 093 657	60	4 017	597	40 292	1 208 962	57	6 248
Calhoun	360	20 783	891 837	19	1 603	386	24 691	716 126	12	1 407
Cass	287	20 886	794 189	14	1 355	378	25 906	799 088	17	2 378
Clare	6	81	1 631	-	-	14	356	7 055	-	-
Clinton	757	51 849	1 891 908	6	317	682	54 946	1 782 827	2	(D)
Eaton	396	28 357	989 900	6	146	432	25 208	819 951	1	(D)
Genesee	312	26 676	797 836	-	-	388	31 532	921 140	-	-
Gladwin	33	1 433	47 346	-	-	41	1 650	39 427	-	-
Gratiot	577	54 987	2 015 476	1	(D)	751	65 916	2 181 110	3	230
Hillsdale	578	34 700	1 071 932	4	350	591	36 893	1 083 516	-	-
Huron	121	5 097	156 635	-	-	93	4 901	132 881	1	(D)
Ingham	263	21 620	659 415	-	-	306	26 106	855 761	-	-
Ionia	338	22 178	841 924	4	215	343	20 890	716 132	3	140
Iosco	3	135	3 870	-	-	7	434	10 766	-	-
Isabella	186	11 526	381 836	-	-	242	13 255	320 092	3	62
Jackson	110	5 209	142 454	2	(D)	137	6 374	178 684	1	(D)
Kalamazoo	256	20 673	802 118	26	2 271	262	24 982	763 118	16	2 203
Kent	38	2 520	91 803	2	(D)	47	2 673	85 445	1	(D)
Lapeer	141	7 665	284 976	1	(D)	182	9 168	222 689	-	-
Lenawee	948	106 999	3 779 702	3	(D)	1 073	108 653	3 786 656	-	-
Livingston	78	4 428	147 947	-	-	73	4 351	110 054	-	-
Macomb	200	17 103	672 270	-	-	301	23 128	657 351	1	(D)
Mason	6	206	5 235	-	-	4	151	3 565	-	-
Mecosta	6	125	2 344	-	-	4	180	(D)	-	-
Midland	185	15 769	576 930	1	(D)	222	17 164	493 177	3	84
Monroe	894	95 473	3 271 933	4	72	1 027	99 056	2 968 551	6	194
Montcalm	106	6 639	219 811	2	(D)	106	6 340	194 604	-	-
Muskegon	7	1 129	(D)	1	(D)	9	593	18 371	-	-
Oakland	9	1 277	43 402	-	-	14	987	28 569	-	-
Osceola	3	260	10 400	-	-	3	(D)	(D)	-	-
Ottawa	33	1 146	38 364	-	-	35	1 218	33 015	3	105
Saginaw	1 025	110 340	4 132 161	6	292	1 198	117 778	3 790 055	5	193
St. Clair	418	33 349	1 234 413	1	(D)	577	48 909	1 269 954	2	(D)

Table 25. Cotton, Tobacco, Soybeans, Dry Beans and Peas, Potatoes, Sugar Crops, and Peanuts: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
SOYBEANS FOR BEANS (BUSHELS)—Con.										
Counties—Con.										
St. Joseph	392	30 299	1 166 632	120	9 957	494	36 642	1 110 698	98	9 355
Sanilac	456	38 961	1 375 576	3	55	495	37 794	1 037 905	-	-
Shiawassee	682	68 441	2 264 901	5	170	637	68 900	2 053 658	5	92
Tuscola	345	22 526	874 300	1	(D)	348	22 162	734 330	1	(D)
Van Buren	130	9 684	346 548	12	661	208	10 987	273 708	2	(D)
Washtenaw	294	18 349	571 362	3	169	310	19 902	561 697	5	611
Wayne	98	6 610	185 468	1	(D)	175	12 124	269 892	1	(D)
All other counties	11	(D)	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
DRY EDIBLE BEANS, EXCLUDING DRY LIMAS (CWT)										
State Total										
Michigan	4 098	383 687	4 931 689	113	12 318	5 841	502 275	7 162 215	89	10 302
Counties										
Allegan	5	80	732	-	-	5	168	1 230	-	-
Alpena	25	2 367	42 628	-	-	18	1 441	11 927	-	-
Arenac	96	9 035	98 732	1	(D)	139	12 825	138 509	-	-
Barry	26	1 159	11 145	-	-	39	2 085	30 398	-	-
Bay	452	36 135	441 432	4	116	638	48 969	638 545	5	186
Branch	6	135	2 110	2	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Calhoun	4	52	512	1	(D)	9	259	3 697	-	-
Cheboygan	3	(D)	(D)	-	-	3	(D)	(D)	1	(D)
Clinton	126	5 905	61 319	3	67	116	7 405	130 012	-	-
Delta	10	924	8 366	-	-	9	1 162	9 605	-	-
Eaton	158	13 696	145 283	-	-	233	16 625	241 313	-	-
Genesee	25	1 116	13 913	-	-	28	1 216	18 815	-	-
Gladwin	13	1 494	11 342	-	-	39	2 902	33 055	-	-
Gratiot	360	37 541	429 653	8	368	528	48 126	721 257	8	627
Hillsdale	3	(D)	(D)	-	-	4	27	330	-	-
Huron	834	88 195	1 339 474	7	144	1 075	105 681	1 566 184	5	331
Ingham	17	1 728	15 193	1	(D)	19	2 146	37 909	-	-
Ionia	78	9 643	100 362	4	246	125	10 388	162 884	4	(D)
Isabella	146	10 945	110 490	9	670	233	17 094	188 559	2	(D)
Kalamazoo	5	178	1 667	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Kent	9	1 346	19 108	2	(D)	19	1 371	25 386	2	(D)
Lapeer	44	6 024	95 152	-	-	69	7 413	113 979	-	-
Lenawee	20	692	10 370	1	(D)	15	383	5 547	-	-
Livingston	4	(D)	824	-	-	5	299	(D)	-	-
Macomb	12	433	6 786	-	-	17	472	6 578	-	-
Manistee	4	968	10 105	3	760	5	716	10 403	4	674
Mecosta	25	3 377	35 493	8	1 265	29	2 928	37 395	6	964
Midland	104	11 271	149 566	-	-	156	14 130	181 942	1	(D)
Monroe	6	309	5 304	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Montcalm	160	17 366	179 068	41	6 424	221	20 415	320 662	37	5 [illegible]
Montmorency	7	533	5 467	-	-	3	411	3 712	-	-
Newaygo	4	168	1 464	-	-	4	92	(D)	-	-
Presque Isle	52	5 301	63 154	2	(D)	60	5 436	51 993	1	(D)
Saginaw	335	25 821	318 609	4	310	538	38 716	598 254	2	(D)
St. Clair	30	1 035	17 237	-	-	88	3 967	49 108	1	(D)
Sanilac	314	25 618	346 994	3	(D)	529	46 979	576 174	3	69
Shiawassee	86	3 256	29 273	-	-	90	2 553	43 724	-	-
Tuscola	467	57 647	772 631	2	(D)	670	72 865	1 164 247	2	(D)
All other counties	25	1 831	26 245	6	533	(NA)	(NA)	(NA)	(NA)	(NA)
IRISH POTATOES (CWT)										
State Total										
Michigan	564	44 105	10 109 515	230	23 866	768	48 703	12 423 578	237	26 556
Counties										
Allegan	14	1 885	482 835	13	1 554	17	2 079	560 047	11	902
Alpena	6	1 057	206 340	-	-	9	(D)	(D)	-	-
Antrim	10	1 504	335 620	5	1 176	14	1 453	381 950	8	1 254
Arenac	7	891	159 510	4	514	11	2 025	312 796	5	1 000
Barry	4	(D)	(D)	2	(D)	3	8	(D)	-	-
Bay	88	6 884	1 192 789	39	3 172	86	5 758	1 347 174	28	2 271
Berrien	15	106	11 122	4	18	20	89	22 432	5	29
Branch	4	4	635	1	(D)	6	7	449	1	(D)
Cass	5	(D)	(D)	2	(D)	7	(D)	(D)	2	(D)
Charlevoix	3	(D)	(D)	1	(D)	7	15	2 569	-	-
Cheboygan	6	4	230	-	-	7	2	399	-	-
Chippewa	3	(D)	(D)	-	-	3	(D)	(D)	-	-
Clinton	7	163	51 175	2	(D)	6	(D)	(D)	1	(D)
Delta	20	1 321	222 261	7	256	17	819	166 908	7	349
Dickinson	12	1 390	315 100	5	485	12	1 444	336 800	8	736
Eaton	5	844	209 722	1	(D)	5	891	177 120	1	(D)
Emmet	9	417	74 220	2	(D)	14	532	109 260	1	(D)
Genesee	6	(D)	(D)	3	(D)	9	(D)	(D)	2	(D)
Gratiot	3	(D)	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Hillsdale	5	3	526	-	-	(NA)	(NA)	(NA)	(NA)	(NA)

Table 25. Cotton, Tobacco, Soybeans, Dry Beans and Peas, Potatoes, Sugar Crops, and Peanuts: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
IRISH POTATOES (CWT)—Con.										
Counties—Con.										
Houghton	8	93	21 328	-	-	20	407	89 359	-	-
Ingham	3	(D)	(D)	2	(D)	13	218	57 564	4	58
Iron	6	440	124 609	4	340	7	567	136 580	5	527
Jackson	5	(D)	(D)	3	(D)	6	(D)	(D)	2	(D)
Kalamazoo	4	(D)	(D)	2	(D)	4	87	18 290	2	(D)
Kalkaska	3	(D)	(D)	2	(D)	7	931	224 230	4	870
Kent	8	587	158 580	4	577	12	550	178 400	6	492
Lapeer	11	847	182 830	2	(D)	16	567	155 004	4	(D)
Lenawee	5	81	19 350	-	-	10	477	150 450	1	(D)
Livingston	5	4	479	2	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Macomb	11	(D)	(D)	2	(D)	10	(D)	(D)	1	(D)
Manistee	5	264	67 132	5	264	11	1 032	251 568	8	1 029
Marquette	12	423	106 040	-	-	13	318	85 [illegible]	-	-
Mecosta	6	796	241 695	4	795	8	1 526	504 213	6	1 465
Menominee	6	23	1 880	-	-	10	39	3 166	-	-
Midland	3	(D)	(D)	1	(D)	7	(D)	(D)	1	(D)
Missaukee	5	(D)	(D)	3	(D)	4	231	54 150	4	201
Monroe	23	3 159	651 358	2	(D)	19	3 187	742 045	3	570
Montcalm	59	10 273	2 923 230	49	9 069	60	11 208	3 556 413	46	10 141
Newaygo	7	145	25 525	4	(D)	10	136	(D)	4	(D)
Oakland	3	1	150	1	(D)	8	12	1 382	4	10
Osceola	3	(D)	(D)	1	(D)	5	(D)	(D)	1	(D)
Otsego	5	382	88 250	4	293	11	463	95 965	3	176
Ottawa	12	186	(D)	8	(D)	18	404	109 099	5	246
Presque Isle	33	3 080	728 765	11	562	44	3 312	773 982	12	969
Saginaw	5	(D)	(D)	2	(D)	12	393	59 019	3	(D)
St. Clair	7	190	39 973	-	-	6	73	12 505	-	-
St. Joseph	4	5	1 515	4	5	13	12	2 139	3	(D)
Sanilac	4	(D)	(D)	-	-	4	13	1 427	-	-
Schoolcraft	6	(D)	(D)	-	-	5	(D)	(D)	-	-
Shiawassee	3	(D)	(D)	1	(D)	7	262	55 040	-	-
Tuscola	12	719	156 989	6	532	18	1 418	318 570	5	587
Van Buren	5	41	4 543	-	-	12	102	13 582	2	(D)
Washtenaw	7	(D)	(D)	4	(D)	10	(D)	(D)	3	(D)
Wayne	3	(D)	(D)	-	-	5	16	2 043	-	-
All other counties	23	420	74 971	6	38	(NA)	(NA)	(NA)	(NA)	(NA)
SUGAR BEETS FOR SUGAR (TONS)										
State Total										
Michigan	1 435	138 623	2 759 381	40	1 877	1 351	96 582	1 810 556	14	550
Counties										
Arenac	55	5 637	103 632	3	204	40	2 193	40 034	2	(D)
Bay	311	22 172	449 723	23	1 027	318	16 134	293 460	8	271
Clinton	3	267	4 738	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Gladwin	9	534	8 413	-	-	5	324	5 711	-	-
Gratiot	95	11 851	251 534	2	(D)	51	4 985	90 107	1	(D)
Huron	329	25 697	524 076	5	210	337	21 449	423 846	-	-
Isabella	6	605	10 370	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Lenawee	26	3 259	57 564	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Midland	14	2 918	57 237	-	-	16	2 254	37 763	-	-
Monroe	23	1 692	26 562	2	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Ogemaw	3	315	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Saginaw	173	16 597	351 563	-	-	177	13 436	254 952	-	-
St. Clair	11	1 028	17 292	-	-	14	894	15 611	-	-
Sanilac	85	12 464	223 972	-	-	96	10 871	189 882	-	-
Shiawassee	3	178	(D)	-	-	3	135	2 425	-	-
Tuscola	283	32 986	655 689	4	265	286	23 490	449 370	3	179
All other counties	6	423	7 141	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)

Table 26. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
FIELD SEED AND GRASS SEED CROPS										
State Total										
Michigan	370	14 596	(X)	2	(D)	617	15 101	(X)	1	(D)
Counties										
Allegan	6	244	(X)	-	-	20	252	(X)	-	-
Alpena	5	(D)	(X)	-	-	12	159	(X)	-	-
Barry	8	136	(X)	-	-	30	943	(X)	-	-
Berrien	4	67	(X)	-	-	3	(D)	(X)	-	-
Branch	9	136	(X)	-	-	14	265	(X)	-	-
Calhoun	9	161	(X)	-	-	25	409	(X)	-	-
Cass	3	(D)	(X)	-	-	8	247	(X)	-	-
Chippewa	54	(D)	(X)	-	-	45	4 173	(X)	-	-
Clinton	7	(D)	(X)	-	-	12	166	(X)	-	-
Eaton	23	397	(X)	-	-	22	541	(X)	-	-
Genesee	4	(D)	(X)	-	-	8	103	(X)	-	-
Hillsdale	8	(D)	(X)	-	-	8	55	(X)	-	-
Huron	4	(D)	(X)	-	-	4	33	(X)	-	-
Ingham	8	134	(X)	-	-	12	237	(X)	-	-
Ionia	6	199	(X)	-	-	28	585	(X)	-	-
Isabella	9	(D)	(X)	-	-	45	746	(X)	-	-
Jackson	8	215	(X)	-	-	23	344	(X)	-	-
Kent	6	193	(X)	-	-	22	371	(X)	-	-
Lake	3	39	(X)	-	-	(NA)	(NA)	(X)	(NA)	(NA)
Lapeer	9	111	(X)	-	-	(NA)	(NA)	(X)	(NA)	(NA)
Lenawee	7	54	(X)	-	-	6	123	(X)	-	-
Livingston	9	323	(X)	-	-	13	286	(X)	-	-
Mason	7	(D)	(X)	-	-	3	56	(X)	-	-
Montcalm	23	692	(X)	-	-	43	687	(X)	-	-
Muskegon	3	46	(X)	-	-	4	40	(X)	-	-
Newaygo	3	56	(X)	-	-	5	58	(X)	-	-
Oceana	3	(D)	(X)	2	(D)	(NA)	(NA)	(X)	(NA)	(NA)
Ontonagon	24	2 671	(X)	-	-	19	984	(X)	-	-
Osceola	3	40	(X)	-	-	17	390	(X)	-	-
Ottawa	3	39	(X)	-	-	7	74	(X)	-	-
St. Clair	8	87	(X)	-	-	7	59	(X)	-	-
St. Joseph	4	46	(X)	-	-	6	115	(X)	-	-
Sanilac	12	253	(X)	-	-	12	138	(X)	-	-
Shiawassee	8	180	(X)	-	-	18	322	(X)	-	-
Tuscola	5	(D)	(X)	-	-	3	17	(X)	-	-
Van Buren	8	149	(X)	-	-	7	122	(X)	-	-
Washtenaw	18	230	(X)	-	-	24	366	(X)	-	-
All other counties	29	725	(X)	-	-	(NA)	(NA)	(X)	(NA)	(NA)
ALFALFA SEED (POUNDS)										
State Total										
Michigan	14	418	24 448	-	-	12	105	8 448	-	-
BIRDSFOOT TREFOIL SEED (POUNDS)										
State Total										
Michigan	73	8 073	652 025	-	-	71	5 156	507 013	-	-
Counties										
Chippewa	41	5 366	339 683	-	-	41	3 902	394 654	-	-
Ontonagon	23	2 526	298 537	-	-	17	946	88 320	-	-
All other counties	9	181	13 805	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
RED CLOVER SEED (POUNDS)										
State Total										
Michigan	252	4 833	554 438	-	-	525	9 452	1 214 617	1	(D)
Counties										
Allegan	3	(D)	2 362	-	-	20	252	25 349	-	-
Alpena	5	(D)	3 760	-	-	10	128	7 628	-	-
Barry	8	136	13 849	-	-	30	943	140 051	-	-
Branch	9	136	15 800	-	-	12	(D)	36 682	-	-
Calhoun	9	161	12 571	-	-	25	409	41 460	-	-
Cass	3	(D)	(D)	-	-	8	247	24 492	-	-
Chippewa	6	64	3 705	-	-	6	(D)	9 080	-	-
Clinton	7	(D)	8 657	-	-	12	166	15 680	-	-
Eaton	22	(D)	42 293	-	-	22	541	54 203	-	-
Genesee	3	72	(D)	-	-	8	103	19 322	-	-

Table 26. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
RED CLOVER SEED (POUNDS)—Con.										
Counties—Con.										
Hillsdale	7	98	16 060	-	-	8	55	6 480	-	-
Ingham	8	134	14 289	-	-	12	237	23 150	-	-
Ionia	6	199	26 494	-	-	28	585	89 628	-	-
Isabella	8	125	5 373	-	-	44	(D)	93 253	-	-
Jackson	8	215	22 980	-	-	23	344	37 772	-	-
Kent	6	193	34 009	-	-	22	371	75 329	-	-
Lapeer	4	82	17 360	-	-	22	371	75 329	-	-
Lenawee	7	54	5 594	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Livingston	9	(D)	50 048	-	-	6	123	9 456	-	-
Mason	7	95	6 720	-	-	13	286	59 630	-	-
Montcalm	20	632	69 760	-	-	41	869	143 277	-	-
Muskegon	3	(D)	1 950	-	-	4	40	4 000	-	-
Ottawa	3	39	6 690	-	-	7	74	5 948	-	-
St. Clair	5	40	2 570	-	-	5	(D)	6 086	-	-
St. Joseph	3	(D)	2 740	-	-	5	(D)	3 680	-	-
Sanilac	9	168	10 230	-	-	11	(D)	12 128	-	-
Shiawassee	8	190	35 612	-	-	15	245	38 044	-	-
Van Buren	7	(D)	19 018	-	-	7	122	13 069	-	-
Washtenaw	15	211	16 800	-	-	24	(D)	37 194	-	-
All other counties	34	591	73 329	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
RYEGRASS SEED (POUNDS)										
State Total										
Michigan	8	218	28 310	2	(D)	5	69	7 340	-	-
TIMOTHY SEED (POUNDS)										
State Total										
Michigan	38	887	90 420	-	-	16	233	23 975	-	-
Counties										
Chippewa	18	683	60 925	-	-	3	(D)	(D)	-	-
Lapeer	3	8	1 850	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
St. Clair	6	47	5 880	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
All other counties	11	149	21 765	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
OTHER SEEDS (POUNDS)										
State Total										
Michigan	5	99	24 720	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
HAY—ALFALFA, OTHER TAME, SMALL GRAIN, WILD, GRASS SILAGE, GREEN CHOP, ETC. (SEE TEXT) (TONS, DRY)										
State Total										
Michigan	25 983	1 436 630	3 323 175	246	11 710	28 522	1 365 495	3 476 731	139	5 373
Counties										
Alcona	171	11 086	20 082	3	(D)	239	14 233	31 129	-	-
Alger	52	5 390	9 211	-	-	61	5 335	8 376	-	-
Allegan	793	39 554	102 464	4	93	871	37 969	108 491	2	(D)
Alpena	332	18 720	44 471	1	(D)	352	14 922	32 073	-	-
Antrim	118	9 803	17 974	2	(D)	153	11 170	21 393	3	88
Arenac	173	10 904	22 722	1	(D)	171	10 094	28 987	-	-
Baraga	50	3 938	6 337	-	-	63	3 945	6 400	-	-
Barry	600	29 299	73 176	5	843	671	27 729	86 782	3	233
Bay	156	5 220	14 784	1	(D)	139	3 776	11 310	-	-
Benzie	56	1 974	3 593	-	-	62	1 689	3 344	-	-
Berrien	332	6 306	24 792	1	(D)	347	7 257	19 049	-	-
Branch	375	11 353	33 405	15	554	447	12 127	35 144	12	419
Calhoun	590	23 846	58 217	6	153	639	23 796	66 217	1	(D)
Cass	383	14 151	37 313	6	180	431	13 914	38 972	5	(D)
Charlevoix	164	9 958	19 977	1	(D)	192	11 273	19 959	1	(D)
Cheboygan	127	12 356	23 090	-	-	154	11 086	17 351	1	(D)
Chippewa	288	32 250	50 378	1	(D)	318	35 768	50 330	-	-
Clare	239	19 817	26 598	1	(D)	246	15 995	36 016	1	(D)
Clinton	666	34 150	93 650	3	(D)	706	29 509	92 605	4	184
Delta	207	16 346	32 315	2	(D)	239	16 417	29 359	-	-

Table 26. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
HAY—ALFALFA, OTHER TAME, SMALL GRAIN, WILD, GRASS SILAGE, GREEN CHOP, ETC. (SEE TEXT) (TONS, DRY)—Con.										
Counties—Con.										
Dickinson	80	7 308	12 503	-	-	95	7 718	12 661	-	-
Eaton	623	22 030	54 294	4	202	644	21 222	63 266	-	-
Emmet	167	10 732	23 326	-	-	198	10 180	17 395	-	-
Genesee	346	13 305	27 279	-	-	435	15 918	39 433	1	(D)
Gladwin	309	15 098	23 364	-	-	300	13 876	31 612	-	-
Gogebic	46	2 185	2 491	-	-	68	3 254	4 766	-	-
Grand Traverse	175	11 542	21 879	-	-	207	10 944	22 801	-	-
Gratiot	377	17 590	43 279	-	-	376	14 036	40 236	-	-
Hillsdale	577	24 072	71 140	4	349	632	23 535	71 603	6	113
Houghton	107	8 298	11 910	-	-	142	7 969	11 440	-	-
Huron	682	40 595	123 728	1	(D)	760	38 144	133 346	3	122
Ingham	550	26 258	71 724	4	26	561	24 577	77 614	2	(D)
Ionia	669	35 178	103 968	9	469	688	30 347	98 685	1	(D)
Iosco	172	11 379	21 390	1	(D)	187	10 990	25 606	3	20
Iron	80	5 925	8 545	-	-	79	6 693	12 021	-	-
Isabella	570	40 998	95 652	1	(D)	603	32 720	87 894	1	(D)
Jackson	634	32 310	82 066	3	(D)	687	30 575	84 590	3	166
Kalamazoo	318	11 642	33 479	9	408	380	13 747	35 279	5	253
Kalkaska	59	3 041	4 198	-	-	54	3 206	5 849	2	(D)
Kent	757	39 950	109 579	3	(D)	839	38 757	110 809	5	382
Lake	92	5 148	7 218	-	-	93	4 653	8 069	-	-
Lapeer	805	41 934	104 175	6	239	871	38 264	105 033	1	(D)
Leelanau	124	6 349	11 502	1	(D)	160	7 000	12 495	-	-
Lenawee	434	20 294	61 693	4	(D)	423	18 937	56 421	3	292
Livingston	477	24 075	70 118	2	(D)	525	24 601	66 920	3	8
Luce	22	2 305	4 356	-	-	26	2 401	2 996	-	-
Mackinac	68	7 931	16 320	-	-	64	9 658	14 047	-	-
Macomb	223	7 669	19 268	-	-	278	8 752	20 879	1	(D)
Manistee	148	6 117	9 408	2	(D)	170	5 157	10 767	-	-
Marquette	62	4 679	8 914	-	-	85	4 546	7 575	-	-
Mason	222	14 814	33 294	2	(D)	258	15 331	42 181	2	(D)
Mecosta	509	35 219	76 085	9	595	540	33 114	81 330	3	77
Menominee	329	35 316	61 583	1	(D)	398	33 428	69 899	1	(D)
Midland	174	5 041	9 469	2	(D)	153	3 939	10 674	-	-
Missaukee	253	36 102	62 226	15	742	304	33 032	78 096	6	189
Monroe	252	4 727	13 575	-	-	234	5 399	13 303	2	(D)
Montcalm	557	30 551	79 645	17	1 084	616	31 321	92 749	5	220
Montmorency	93	5 313	10 604	1	(D)	80	5 311	10 632	-	-
Muskegon	243	14 400	38 197	2	(D)	285	14 462	40 156	3	65
Newaygo	485	29 716	63 567	3	146	567	27 982	73 481	4	182
Oakland	263	11 915	26 545	3	43	306	12 981	30 342	2	(D)
Oceana	322	15 118	35 758	5	61	364	14 192	33 756	2	(D)
Ogemaw	244	24 921	48 073	-	-	256	18 926	44 224	-	-
Ontonagon	99	9 534	15 496	-	-	125	9 967	14 672	-	-
Osceola	416	40 655	60 957	3	408	468	36 500	74 393	2	(D)
Oscoda	71	5 097	7 698	-	-	71	4 598	11 706	-	-
Otsego	109	9 380	17 495	1	(D)	113	6 993	11 916	-	-
Ottawa	745	33 541	84 903	13	409	797	28 720	88 410	4	15
Presque Isle	232	16 359	35 573	2	(D)	248	15 220	30 719	1	(D)
Roscommon	18	1 289	1 216	-	-	21	1 043	1 642	1	(D)
Saginaw	353	11 247	32 119	3	(D)	366	10 725	35 668	3	154
St. Clair	631	26 696	48 832	2	(D)	675	24 801	51 291	3	47
St. Joseph	398	12 888	39 219	32	1 588	436	13 980	39 997	11	602
Sanilac	966	77 622	198 194	8	316	1 072	71 643	198 990	4	153
Schoolcraft	37	4 584	9 858	-	-	40	3 455	5 225	-	-
Shiawassee	504	24 254	57 917	5	292	575	23 317	69 012	1	(D)
Tuscola	534	22 714	55 434	4	129	574	21 733	59 059	2	(D)
Van Buren	390	13 784	36 114	2	(D)	455	13 269	35 139	3	(D)
Washtenaw	704	30 126	77 767	3	(D)	718	26 853	74 470	1	(D)
Wayne	53	1 119	2 379	-	-	73	2 560	4 171	-	-
Wexford	126	7 962	9 710	1	(D)	172	9 818	15 662	-	-
All other counties	15	278	338	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
ALFALFA HAY (TONS, DRY)										
State Total										
Michigan	22 439	971 083	2 499 478	195	7 561	24 290	950 169	2 711 102	111	3 713
Counties										
Alcona	160	8 857	16 736	3	(D)	227	12 265	27 726	-	-
Alger	41	3 578	6 905	-	-	46	3 292	5 818	-	-
Allegan	679	25 405	72 452	3	(D)	714	24 792	81 381	2	(D)
Alpena	309	15 275	39 199	1	(D)	318	11 869	27 743	-	-
Antrim	114	7 739	15 021	2	(D)	129	9 011	18 998	1	(D)
Arenac	148	7 148	17 065	1	(D)	154	7 695	24 616	-	-
Baraga	21	1 300	2 122	-	-	25	1 322	2 547	-	-
Barry	556	22 092	59 752	5	497	583	21 606	74 149	2	(D)
Bay	134	3 720	11 835	-	-	119	2 918	9 561	-	-
Benzie	53	1 732	3 205	-	-	60	1 509	2 851	-	-

Table 26. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
ALFALFA HAY (TONS, DRY) —Con.										
Counties—Con.										
Berrien	299	6 766	21 747	1	(D)	281	5 583	16 042	-	-
Branch	337	8 712	27 707	14	(D)	368	9 502	29 503	11	(D)
Calhoun	551	18 320	48 569	4	(D)	563	17 996	55 132	1	(D)
Cass	345	12 007	32 952	6	(D)	393	11 153	33 846	5	(D)
Charlevoix	147	7 489	16 414	1	(D)	173	8 739	16 624	1	(D)
Cheboygan	112	8 841	17 132	-	-	139	7 309	11 905	1	(D)
Chippewa	38	2 329	3 388	-	-	41	2 605	3 269	-	-
Clare	208	12 678	18 055	1	(D)	216	10 662	25 702	-	-
Clinton	575	22 105	67 244	2	(D)	623	20 700	73 703	4	184
Crawford	12	334	292	-	-	8	203	325	-	-
Delta	163	10 928	24 523	-	-	190	10 336	20 585	-	-
Dickinson	67	4 491	8 360	-	-	77	5 404	8 820	-	-
Eaton	573	16 424	45 399	4	(D)	546	15 586	52 349	-	-
Emmet	159	8 254	19 466	-	-	173	7 855	14 191	-	-
Genesee	293	8 822	19 232	-	-	365	10 521	29 813	1	(D)
Gladwin	247	10 482	16 669	-	-	232	10 230	25 549	-	-
Gogebic	16	806	1 002	-	-	25	1 075	1 760	-	-
Grand Traverse	166	8 949	18 548	-	-	193	9 058	20 051	-	-
Gratiot	310	10 839	28 726	-	-	326	9 373	29 808	-	-
Hillsdale	548	19 016	60 704	3	167	570	18 372	61 928	5	(D)
Houghton	48	1 953	3 860	-	-	68	3 689	5 597	-	-
Huron	606	27 930	94 594	-	-	707	26 529	96 532	2	(D)
Ingham	524	19 572	57 837	4	26	512	17 033	60 925	2	(D)
Ionia	615	24 791	83 614	7	322	601	22 343	79 985	1	(D)
Iosco	141	7 788	14 991	1	(D)	151	7 493	19 524	1	(D)
Iron	24	1 222	2 406	-	-	30	1 996	3 502	-	-
Isabella	526	32 121	79 923	1	(D)	557	27 028	78 345	1	(D)
Jackson	602	25 187	68 910	2	(D)	625	24 475	73 612	2	(D)
Kalamazoo	283	8 778	26 124	6	246	340	10 315	29 468	3	(D)
Kalkaska	55	2 714	3 919	-	-	53	2 882	5 511	2	(D)
Kent	680	28 447	86 580	3	(D)	759	29 666	90 943	4	(D)
Lake	84	3 842	5 709	-	-	78	3 513	6 321	-	-
Lapeer	701	30 098	80 075	6	(D)	774	28 949	86 309	1	(D)
Leelanau	117	5 161	9 179	-	-	148	5 831	10 580	-	-
Lenawee	402	14 135	48 606	4	(D)	338	12 125	42 824	2	(D)
Livingston	448	19 256	60 084	2	(D)	467	17 990	53 928	3	(D)
Luce	17	1 096	2 434	-	-	19	1 455	1 791	-	-
Mackinac	34	2 602	6 004	-	-	35	2 607	3 854	-	-
Macomb	178	4 808	13 104	-	-	225	5 668	15 593	-	-
Manistee	134	5 227	8 631	1	(D)	152	4 405	9 181	-	-
Marquette	24	1 777	5 002	-	-	30	2 022	3 727	-	-
Mason	191	10 563	25 148	2	(D)	234	11 559	33 743	2	(D)
Mecosta	457	26 624	60 572	4	105	507	27 037	68 120	2	(D)
Menominee	292	20 788	38 796	1	(D)	354	21 087	50 914	-	-
Midland	117	2 736	6 378	1	(D)	104	2 656	9 049	-	-
Missaukee	217	21 114	40 573	5	(D)	267	23 314	60 522	4	125
Monroe	212	3 904	12 094	-	-	185	3 748	9 380	2	(D)
Montcalm	514	23 231	66 642	16	(D)	572	24 105	79 130	5	(D)
Montmorency	85	4 041	8 439	1	(D)	72	3 873	8 416	-	-
Muskegon	188	8 533	25 888	2	(D)	231	9 926	30 880	2	(D)
Newaygo	440	19 490	45 977	3	(D)	518	19 955	57 679	4	182
Oakland	237	10 331	23 917	3	43	263	10 255	26 563	2	(D)
Oceana	296	11 223	28 210	4	(D)	338	10 622	27 388	2	(D)
Ogemaw	211	14 158	28 879	-	-	231	13 775	35 349	-	-
Ontonagon	14	683	1 274	-	-	22	1 130	2 001	-	-
Osceola	335	26 538	43 224	2	(D)	407	25 381	55 142	-	-
Oscoda	63	3 603	5 754	-	-	68	4 148	11 191	-	-
Otsego	98	7 454	14 101	1	(D)	104	6 153	10 885	-	-
Ottawa	566	19 921	57 460	10	291	637	20 018	69 671	1	(D)
Presque Isle	209	11 839	27 148	2	(D)	224	10 858	22 749	1	(D)
Roscommon	14	952	964	-	-	13	633	1 091	1	(D)
Saginaw	304	7 206	24 188	1	(D)	324	8 384	30 372	2	(D)
St. Clair	433	13 928	29 890	1	(D)	457	14 125	33 199	3	47
St. Joseph	373	10 900	34 881	32	1 400	405	11 879	36 994	11	(D)
Sanilac	835	49 641	144 697	6	174	930	46 944	149 309	4	(D)
Schoolcraft	24	3 041	6 712	-	-	24	1 396	2 260	-	-
Shiawassee	457	17 654	46 162	3	158	524	16 897	55 715	-	-
Tuscola	478	15 330	39 828	1	(D)	501	15 295	44 887	1	(D)
Van Buren	343	10 827	30 727	2	(D)	361	8 946	25 989	3	(D)
Washtenaw	650	23 422	66 662	3	(D)	639	20 386	62 979	1	(D)
Wayne	39	670	1 870	-	-	53	970	2 098	-	-
Wexford	123	6 795	8 414	1	(D)	155	7 949	13 090	-	-
SMALL GRAIN HAY (TONS, DRY)										
State Total										
Michigan	1 599	33 054	55 429	11	374	1 407	28 158	51 893	4	(D)

Table 26. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
SMALL GRAIN HAY (TONS, DRY)—Con.										
Counties										
Alcona	10	142	257	-	-	11	(D)	(D)	-	-
Alger	4	(D)	(D)	-	-	3	(D)	(D)	-	-
Allegan	56	934	2 094	-	-	55	827	1 591	-	-
Alpena	21	497	340	-	-	18	356	584	-	-
Antrim	6	(D)	71	-	-	9	139	84	-	-
Arenac	23	549	752	-	-	13	229	555	-	-
Baraga	4	(D)	128	-	-	3	47	(D)	-	-
Barry	27	556	826	-	-	20	282	571	-	-
Bay	12	162	302	1	(D)	6	44	51	-	-
Branch	9	(D)	(D)	-	-	13	158	165	-	-
Calhoun	19	489	368	-	-	19	405	712	-	-
Cass	14	361	480	-	-	14	266	(D)	-	-
Charlevoix	5	31	50	-	-	5	28	21	-	-
Cheboygan	8	263	440	-	-	12	375	541	-	-
Chippewa	13	453	469	-	-	10	218	165	-	-
Clare	28	477	673	1	(D)	11	228	257	-	-
Clinton	58	1 424	2 760	-	-	52	1 076	1 959	-	-
Delta	11	231	313	1	(D)	12	453	379	-	-
Dickinson	11	351	513	-	-	11	330	651	-	-
Eaton	32	585	732	-	-	32	467	1 110	-	-
Emmet	16	193	489	-	-	9	274	304	-	-
Genesee	22	503	844	-	-	21	442	875	-	-
Gladwin	29	413	410	-	-	20	235	317	-	-
Gogebic	3	33	38	-	-	4	7	11	-	-
Grand Traverse	7	(D)	(D)	-	-	7	132	185	-	-
Gratiot	42	690	1 772	-	-	24	571	1 577	-	-
Hillsdale	26	(D)	(D)	-	-	28	475	656	-	-
Houghton	7	220	225	-	-	11	236	289	-	-
Huron	73	1 590	3 567	-	-	33	584	1 285	-	-
Ingham	17	322	728	-	-	22	361	859	-	-
Ionia	40	626	1 072	-	-	43	906	1 653	-	-
Iosco	19	374	369	-	-	18	215	292	2	(D)
Iron	6	135	225	-	-	8	405	(D)	-	-
Isabella	41	836	1 482	-	-	22	409	729	-	-
Jackson	26	465	670	-	-	30	553	1 097	-	-
Kalamazoo	10	294	250	-	-	13	170	167	-	-
Kent	36	532	869	-	-	28	411	961	-	-
Lapeer	55	1 574	2 810	1	(D)	37	868	1 524	-	-
Leelanau	4	211	573	-	-	4	53	(D)	-	-
Lenawee	15	262	(D)	-	-	44	1 077	2 420	1	(D)
Livingston	19	324	760	-	-	17	442	958	-	-
Mackinac	3	(D)	(D)	-	-	5	363	345	-	-
Macomb	13	241	496	-	-	13	428	465	-	-
Manistee	8	88	86	1	(D)	7	63	165	-	-
Marquette	6	313	422	-	-	9	83	139	-	-
Mason	15	427	718	-	-	14	351	814	1	(D)
Mecosta	33	637	1 151	2	(D)	20	244	273	-	-
Menominee	23	522	934	-	-	24	478	871	-	-
Midland	25	331	417	-	-	16	213	455	-	-
Missaukee	20	394	473	1	(D)	18	296	661	-	-
Monroe	9	105	250	-	-	11	437	1 614	-	-
Montcalm	23	509	800	-	-	32	440	664	-	-
Montmorency	6	100	104	-	-	5	236	(D)	-	-
Muskegon	22	563	1 011	-	-	24	330	719	-	-
Newaygo	17	196	248	-	-	25	386	911	-	-
Oakland	12	102	145	-	-	13	165	338	-	-
Oceana	17	239	543	-	-	14	190	264	-	-
Ogemaw	21	859	1 516	-	-	14	571	693	-	-
Ontonagon	10	238	402	-	-	6	174	232	-	-
Osceola	28	531	415	-	-	21	363	727	-	-
Oscoda	7	151	156	-	-	7	87	147	-	-
Otsego	8	158	206	-	-	8	149	164	-	-
Ottawa	55	809	1 663	-	-	49	903	2 253	-	-
Presque Isle	11	351	744	-	-	14	265	299	-	-
Roscommon	3	(D)	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Saginaw	34	694	1 196	-	-	23	421	856	-	-
St. Clair	29	579	1 004	-	-	18	244	365	-	-
St. Joseph	9	193	461	1	(D)	11	596	625	-	-
Sanilac	109	2 901	5 165	1	(D)	78	2 334	5 447	-	-
Shiawassee	34	665	1 178	1	(D)	30	536	1 572	-	-
Tuscola	42	855	1 624	-	-	28	390	598	-	-
Van Buren	15	223	309	-	-	21	266	384	-	-
Washtenaw	28	465	598	-	-	26	561	547	-	-
Wayne	5	178	256	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Wexford	7	54	58	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
All other counties	8	107	123	-	-	(NA)	(NA)	(NA)	(NA)	(NA)

Table 26. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
TAME HAY OTHER THAN ALFALFA, SMALL GRAIN, AND WILD HAY (SEE TEXT) (TONS, DRY)										
State Total										
Michigan	4 242	151 998	263 925	18	337	5 149	148 853	251 407	7	96
Counties										
Alcona	18	778	959	-	-	24	717	1 258	-	-
Alger	19	625	597	-	-	18	807	1 016	-	-
Allegan	125	2 692	6 234	-	-	177	2 815	6 245	-	-
Alpena	31	1 075	1 613	-	-	50	1 236	1 764	-	-
Antrim	11	233	317	-	-	23	553	551	-	-
Arenac	22	865	1 423	-	-	13	536	1 011	-	-
Baraga	33	2 075	3 596	-	-	41	1 999	3 225	-	-
Barry	70	1 716	3 052	-	-	126	2 363	4 260	-	-
Bay	21	321	500	-	-	15	220	236	-	-
Benzie	3	(D)	136	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Berrien	46	633	1 542	-	-	77	801	1 334	-	-
Branch	62	737	1 313	1	(D)	97	1 340	2 842	-	-
Calhoun	75	1 257	1 865	-	-	115	1 630	3 005	-	-
Cass	49	875	1 915	-	-	67	1 057	2 453	-	-
Charlevoix	21	657	608	-	-	23	425	563	-	-
Cheboygan	22	1 208	2 015	-	-	26	894	1 616	-	-
Chippewa	243	25 314	40 700	1	(D)	277	28 145	37 399	-	-
Clare	39	1 717	2 152	-	-	33	1 722	3 343	-	-
Clinton	71	1 546	4 538	-	-	85	1 513	2 694	-	-
Delta	60	3 041	4 364	1	(D)	78	3 063	4 034	-	-
Dickinson	20	683	1 038	-	-	26	887	1 690	-	-
Eaton	117	2 010	3 970	-	-	137	2 300	4 456	-	-
Emmet	16	361	576	-	-	31	793	933	-	-
Genesee	53	1 842	3 195	-	-	80	2 573	4 284	-	-
Gladwin	72	2 412	2 707	-	-	79	2 119	4 121	-	-
Gogebic	34	1 034	1 117	-	-	41	1 647	2 248	-	-
Grand Traverse	17	1 327	1 409	-	-	24	597	788	-	-
Gratiot	39	859	2 010	-	-	34	654	1 623	-	-
Hillsdale	40	1 346	3 059	1	(D)	77	1 106	2 260	-	-
Houghton	69	4 482	5 811	-	-	79	3 042	4 445	-	-
Huron	60	1 746	5 797	-	-	59	1 593	3 748	-	-
Ingham	51	923	1 814	-	-	65	1 084	1 965	-	-
Ionia	116	2 054	4 587	1	(D)	141	2 095	4 669	-	-
Iosco	30	1 895	2 972	-	-	38	1 520	2 548	-	-
Iron	55	3 631	5 274	-	-	55	3 325	5 806	-	-
Isabella	62	1 961	3 396	-	-	68	1 635	2 740	-	-
Jackson	40	737	1 380	-	-	91	1 300	2 898	-	-
Kalamazoo	47	806	1 288	-	-	54	651	1 142	1	(D)
Kalkaska	4	66	36	-	-	6	181	(D)	-	-
Kent	95	2 007	3 565	-	-	113	2 290	5 023	-	-
Lake	18	722	753	-	-	22	(D)	631	-	-
Lapeer	134	2 857	6 857	-	-	117	2 308	4 679	-	-
Leelanau	10	(D)	(D)	-	-	14	295	351	-	-
Lenawee	36	1 057	1 826	-	-	75	1 226	2 497	-	-
Livingston	46	874	1 946	-	-	81	1 498	3 322	-	-
Luce	10	932	1 536	-	-	8	388	488	-	-
Mackinac	39	4 064	7 312	-	-	54	4 148	5 615	-	-
Macomb	51	1 166	2 428	-	-	60	1 276	2 170	1	(D)
Manistee	13	260	253	1	(D)	17	264	517	-	-
Marquette	35	2 098	2 928	-	-	51	1 896	2 203	-	-
Mason	33	1 012	1 792	-	-	34	702	1 416	-	-
Mecosta	61	2 044	3 361	1	(D)	65	1 649	3 032	-	-
Menominee	45	2 089	3 923	-	-	63	2 3[illegible]	3 531	1	(D)
Midland	45	1 183	1 657	-	-	45	625	776	-	-
Missaukee	30	1 634	2 686	1	(D)	32	2 029	2 154	-	-
Monroe	35	311	379	-	-	49	690	1 239	-	-
Montcalm	55	1 355	2 338	-	-	81	1 240	2 373	-	-
Montmorency	11	250	277	-	-	8	(D)	282	-	-
Muskegon	58	1 740	2 910	-	-	70	1 728	2 796	-	-
Newaygo	54	1 338	2 935	-	-	57	893	1 573	-	-
Oakland	30	703	1 404	-	-	46	1 040	1 233	-	-
Oceana	33	878	1 959	1	(D)	33	1 200	2 930	-	-
Ogemaw	32	985	1 422	-	-	28	694	990	-	-
Ontonagon	79	6 269	9 928	-	-	101	6 694	10 236	-	-
Osceola	104	5 132	6 524	-	-	79	3 113	6 044	-	-
Otsego	11	1 175	2 517	-	-	10	216	219	-	-
Ottawa	181	4 583	9 687	2	(D)	200	3 176	6 350	3	(D)
Presque Isle	40	1 156	2 068	-	-	42	986	1 643	-	-
Roscommon	4	192	102	-	-	8	(D)	(D)	-	-
Saginaw	57	1 680	3 138	1	(D)	42	365	643	-	-
St. Clair	219	7 205	11 001	-	-	253	6 314	11 221	-	-
St. Joseph	43	647	1 187	3	68	46	619	869	-	-
Sanilac	198	6 997	15 582	2	(D)	181	4 634	12 149	1	(D)
Schoolcraft	17	1 135	2 360	-	-	18	1 765	2 579	-	-
Shiawassee	56	1 283	2 812	-	-	60	1 135	2 162	-	-
Tuscola	64	1 521	2 975	1	(D)	65	1 158	2 770	-	-
Van Buren	59	1 324	2 764	-	-	109	2 314	4 814	-	-
Washtenaw	90	1 907	3 335	-	-	126	2 354	4 408	-	-
Wayne	17	205	192	-	-	19	1 196	1 360	-	-
Wexford	6	176	154	-	-	13	307	298	-	-
All other counties	5	158	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)

Table 26. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
WILD HAY (TONS, DRY)										
State Total										
Michigan	1 010	23 764	27 512	6	92	1 025	19 837	24 725	1	(D)
Counties										
Alcona	7	162	105	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Allegan	39	574	662	1	(D)	42	667	1 309	-	-
Alpena	12	435	791	-	-	6	102	94	-	-
Antrim	3	(D)	34	-	-	12	185	139	-	-
Arenac	13	246	300	-	-	6	73	63	-	-
Baraga	5	420	(D)	-	-	5	185	(D)	-	-
Barry	15	280	304	1	(D)	20	460	349	-	-
Bay	7	229	426	-	-	7	121	103	-	-
Berrien	11	(D)	(D)	-	-	14	128	187	-	-
Calhoun	10	139	183	-	-	19	420	947	-	-
Cass	10	133	210	-	-	4	45	(D)	-	-
Charlevoix	11	185	226	-	-	13	239	127	-	-
Cheboygan	4	320	346	-	-	11	323	314	-	-
Chippewa	12	461	439	-	-	13	272	378	-	-
Clare	7	305	315	-	-	13	362	515	-	-
Clinton	10	115	130	-	-	8	173	198	-	-
Delta	18	495	549	-	-	15	369	288	-	-
Dickinson	3	162	269	-	-	4	98	52	-	-
Eaton	16	365	462	-	-	21	249	271	-	-
Emmet	11	229	202	-	-	13	298	221	-	-
Genesee	18	488	454	-	-	23	419	402	-	-
Gladwin	24	894	2 400	-	-	12	166	226	-	-
Gogebic	6	125	104	-	-	11	(D)	464	-	-
Gratiot	3	34	23	-	-	10	115	231	-	-
Houghton	13	473	669	-	-	19	440	408	-	-
Huron	11	198	322	-	-	16	231	222	-	-
Ingham	13	79	114	-	-	16	192	267	-	-
Ionia	11	291	253	-	-	14	155	234	-	-
Iosco	9	226	156	-	-	15	454	793	-	-
Iron	18	567	342	-	-	16	530	(D)	-	-
Isabella	14	318	295	-	-	6	91	72	-	-
Jackson	15	203	307	-	-	13	172	243	-	-
Kalamazoo	9	142	246	-	-	8	164	140	-	-
Kent	30	675	838	-	-	22	423	500	-	-
Lake	5	79	79	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Lapeer	25	704	598	-	-	27	486	514	-	-
Lenawee	3	46	(D)	-	-	6	72	89	-	-
Livingston	20	290	372	-	-	13	105	104	1	(D)
Luce	3	(D)	(D)	-	-	3	(D)	(D)	-	-
Mackinac	3	(D)	(D)	-	-	5	565	680	-	-
Macomb	16	278	310	-	-	15	165	206	-	-
Manistee	7	101	83	-	-	8	112	96	-	-
Marquette	8	(D)	(D)	-	-	12	248	131	-	-
Mason	9	160	120	-	-	6	58	67	-	-
Mecosta	20	463	540	-	-	15	234	327	-	-
Menominee	17	307	260	-	-	19	371	485	-	-
Midland	20	412	276	1	(D)	19	249	291	-	-
Missaukee	8	256	336	-	-	8	378	700	-	-
Monroe	4	10	5	-	-	10	76	191	-	-
Montcalm	14	332	353	-	-	12	117	146	-	-
Muskegon	17	361	377	-	-	20	231	279	-	-
Newaygo	16	550	593	-	-	25	459	546	-	-
Oakland	18	312	372	-	-	18	757	818	-	-
Oceana	12	222	232	-	-	8	64	56	-	-
Ogemaw	23	602	684	-	-	6	105	227	-	-
Ontonagon	7	234	250	-	-	9	590	654	-	-
Osceola	26	724	482	-	-	21	768	863	-	-
Oscoda	3	(D)	42	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Otsego	5	190	168	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Ottawa	52	928	1 340	-	-	31	249	299	-	-
Presque Isle	4	46	29	-	-	9	141	70	-	-
Roscommon	4	75	45	-	-	3	(D)	(D)	-	-
Saginaw	18	137	126	-	-	17	239	220	-	-
St. Clair	72	2 334	2 520	1	(D)	54	1 157	1 538	-	-
St. Joseph	4	36	25	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Sanilac	32	851	1 280	2	(D)	38	693	1 082	-	-
Schoolcraft	6	(D)	(D)	-	-	3	78	126	-	-
Shiawassee	5	62	52	-	-	12	141	172	-	-
Tuscola	22	233	247	-	-	27	318	312	-	-
Van Buren	22	392	490	-	-	16	211	247	-	-
Washtenaw	20	397	449	-	-	19	246	328	-	-
Wayne	3	(D)	(D)	-	-	13	345	655	-	-
Wexford	6	85	53	-	-	8	(D)	(D)	-	-
All other counties	13	617	540	-	-	(NA)	(NA)	(NA)	(NA)	(NA)

Table 26. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
GRASS SILAGE, HAYLAGE, AND GREEN CHOP HAY (TONS, GREEN)										
State Total										
Michigan	3 518	256 731	1 430 441	61	3 346	3 309	218 478	1 312 877	29	1 412
Counties										
Alcona	12	1 147	6 076	-	-	19	1 133	5 639	-	-
Alger	8	984	4 192	-	-	9	1 089	4 258	-	-
Allegan	143	9 949	63 064	-	-	172	8 868	53 894	-	-
Alpena	21	1 438	7 586	-	-	40	1 359	5 670	-	-
Antrim	16	1 623	7 593	1	(D)	20	1 282	4 862	2	(D)
Arenac	26	1 996	9 537	-	-	28	1 561	8 230	-	-
Barry	64	4 655	27 720	2	(D)	55	3 018	22 361	2	(D)
Bay	14	788	5 164	-	-	14	473	4 076	-	-
Berrien	19	776	4 104	1	(D)	15	541	3 154	-	-
Branch	26	1 461	12 100	1	(D)	30	872	6 234	1	(D)
Calhoun	58	3 641	21 695	2	(D)	64	3 347	19 266	1	(D)
Cass	21	775	5 264	1	(D)	33	1 393	7 196	-	-
Charlevoix	13	1 596	8 032	-	-	18	1 842	7 873	1	(D)
Cheboygan	15	1 724	9 470	-	-	14	2 185	8 923	-	-
Chippewa	32	3 693	16 145	-	-	44	4 528	27 353	-	-
Clare	38	4 640	16 214	-	-	31	3 021	18 601	1	(D)
Clinton	110	8 960	56 925	1	(D)	113	6 047	42 152	-	-
Delta	28	1 651	7 695	-	-	39	2 196	12 212	-	-
Dickinson	13	1 621	6 968	-	-	19	999	4 342	-	-
Eaton	51	2 646	11 181	1	(D)	67	2 620	15 238	-	-
Emmet	26	1 695	7 774	-	-	18	960	5 235	-	-
Genesee	29	1 650	10 665	-	-	49	1 963	12 168	-	-
Gladwin	29	897	3 595	-	-	32	1 126	4 189	-	-
Gogebic	4	187	690	-	-	3	(D)	855	-	-
Grand Traverse	19	1 081	5 195	-	-	16	1 041	5 048	-	-
Gratiot	73	5 168	32 240	-	-	66	3 323	20 979	-	-
Hillsdale	50	3 184	20 053	2	(D)	65	3 510	19 956	1	(D)
Houghton	12	1 160	4 033	-	-	10	562	2 106	-	-
Huron	162	9 131	58 332	1	(D)	152	9 207	94 688	1	(D)
Ingham	62	5 362	33 698	-	-	85	5 907	40 793	-	-
Ionia	124	7 416	43 321	3	(D)	103	4 848	36 428	-	-
Iosco	23	1 096	8 702	-	-	21	1 308	7 351	-	-
Iron	4	370	895	-	-	7	637	4 067	-	-
Isabella	89	5 762	31 671	-	-	81	3 557	18 022	-	-
Jackson	69	5 718	32 403	1	(D)	66	4 075	20 225	1	(D)
Kalamazoo	27	1 622	10 710	4	162	40	2 447	13 078	2	(D)
Kalkaska	4	215	662	-	-	4	(D)	723	-	-
Kent	116	8 289	53 183	2	(D)	120	5 967	40 139	2	(D)
Lake	9	505	2 030	-	-	12	632	3 009	-	-
Lapeer	117	6 701	41 519	-	-	126	5 653	36 038	-	-
Leelanau	17	869	4 810	1	(D)	16	740	4 013	-	-
Lenawee	50	4 794	32 036	-	-	57	4 437	25 770	1	(D)
Livingston	47	3 331	20 874	-	-	90	4 566	25 845	-	-
Mackinac	9	989	7 993	-	-	20	1 975	10 664	-	-
Macomb	26	1 176	8 789	-	-	40	1 215	7 336	-	-
Manistee	13	441	1 068	-	-	10	313	2 426	-	-
Marquette	5	(D)	(D)	-	-	12	297	4 122	-	-
Mason	32	2 652	16 547	-	-	44	2 661	18 422	-	-
Mecosta	90	5 451	31 386	5	385	72	3 920	28 732	1	(D)
Menominee	114	11 610	53 009	-	-	119	9 104	42 285	-	-
Midland	9	379	2 221	-	-	9	196	311	-	-
Missaukee	95	12 704	54 469	11	520	82	7 015	36 169	4	64
Monroe	17	397	2 546	-	-	14	448	2 641	-	-
Montcalm	78	5 124	28 535	3	(D)	98	5 419	31 320	1	(D)
Montmorency	11	922	5 355	1	(D)	13	892	4 637	-	-
Muskegon	32	3 203	24 029	-	-	37	2 247	16 446	1	(D)
Newaygo	85	6 142	41 431	1	(D)	87	6 279	38 319	-	-
Oakland	13	467	2 121	-	-	28	764	4 173	-	-
Oceana	39	2 556	14 442	-	-	48	1 916	9 359	-	-
Ogemaw	59	8 317	46 710	-		53	3 781	20 910	-	-
Ontonagon	15	2 110	10 927	-	-	13	1 379	4 645	-	-
Osceola	67	7 730	30 936	2	(D)	83	6 875	34 848	2	(D)
Oscoda	21	1 104	4 821	-	-	10	269	861	-	-
Otsego	9	403	1 508	-	-	10	475	1 945	-	-
Ottawa	136	7 300	44 260	4	(D)	122	4 374	29 514	-	-
Presque Isle	25	2 967	16 755	-	-	28	2 970	17 876	-	-
Saginaw	46	1 530	10 420	2	(D)	46	1 316	10 735	1	(D)
St. Clair	51	2 650	13 258	-	-	86	2 961	14 891	-	-
St. Joseph	22	1 112	7 993	2	(D)	32	886	4 525	1	(D)
Sanilac	254	17 232	94 405	1	(D)	287	17 038	93 029	-	-
Schoolcraft	5	320	1 908	-	-	5	(D)	(D)	-	-
Shiawassee	66	4 590	23 128	3	(D)	93	4 608	28 162	1	(D)
Tuscola	70	4 775	32 278	2	(D)	87	4 572	31 479	1	(D)
Van Buren	24	1 018	5 469	-	-	33	1 552	11 116	-	-
Washtenaw	71	3 935	20 176	-	-	77	3 306	18 621	-	-
Wexford	12	852	3 091	-	-	18	1 398	6 284	-	-
All other counties	7	(D)	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)

Table 26. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
CORN FOR SILAGE OR GREEN CHOP (TONS, GREEN)										
State Total										
Michigan	6 704	294 323	3 585 942	116	5 807	9 603	391 235	5 209 449	108	5 095
Counties										
Alcona	18	447	4 940	-	-	35	1 181	10 291	-	-
Alger	13	426	3 386	-	-	16	288	2 869	-	-
Allegan	245	10 836	135 321	2	(D)	370	14 910	218 080	2	(D)
Alpena	70	1 861	25 463	-	-	101	3 041	29 439	-	-
Antrim	39	1 700	20 718	1	(D)	66	3 245	32 183	1	(D)
Arenac	55	2 050	23 659	-	-	68	2 901	31 119	-	-
Barry	116	5 135	61 593	4	410	165	6 638	99 905	4	125
Bay	31	1 469	21 954	-	-	42	1 326	16 235	-	-
Benzie	19	588	6 851	-	-	26	898	9 214	-	-
Berrien	25	927	11 882	-	-	53	1 374	16 457	-	-
Branch	65	3 280	58 236	17	1 450	138	5 060	76 917	11	538
Calhoun	125	5 981	71 566	3	110	181	6 678	98 168	5	436
Cass	33	1 303	15 494	4	440	69	1 789	23 341	3	178
Charlevoix	40	1 223	14 945	-	-	79	2 215	25 787	2	(D)
Cheboygan	24	1 188	13 693	-	-	34	1 636	14 267	-	-
Chippewa	3	(D)	(D)	-	-	6	129	1 130	-	-
Clare	74	2 679	27 267	1	(D)	76	4 567	51 812	1	(D)
Clinton	189	10 975	141 205	2	(D)	270	11 525	185 167	4	(D)
Delta	49	1 540	17 154	-	-	64	1 964	19 324	-	-
Dickinson	26	892	8 629	-	-	33	1 024	11 271	-	
Eaton	129	4 107	49 938	2	(D)	193	5 660	82 736	-	-
Emmet	54	1 326	14 165	-	-	55	1 943	20 376	-	-
Genesee	65	4 333	57 599	-	-	104	6 646	90 836	-	-
Gladwin	78	1 797	16 569	-	-	105	2 982	26 689	-	-
Gogebic	4	93	960	-	-	3	(D)	(D)	-	-
Grand Traverse	38	1 302	11 826	-	-	71	2 350	23 689	-	-
Gratiot	146	7 954	103 603	3	49	197	8 745	136 561	2	(D)
Hillsdale	134	5 923	79 362	3	(D)	187	8 780	139 009	3	(D)
Houghton	9	50	624	-	-	13	148	1 404	-	-
Huron	429	25 261	371 797	1	(D)	550	29 358	466 961	1	(D)
Ingham	128	8 302	89 951	-	-	205	9 277	126 088	-	-
Ionia	224	8 294	113 974	4	153	281	9 185	131 861	3	89
Iosco	41	1 716	18 655	-	-	69	2 979	38 302	-	-
Iron	6	126	1 465	-	-	7	272	2 875	-	-
Isabella	194	11 673	118 834	1	(D)	251	14 455	159 195	1	(D)
Jackson	102	7 058	82 202	3	55	158	9 511	141 120	5	421
Kalamazoo	46	2 506	33 771	6	305	91	3 873	52 387	9	536
Kalkaska	17	478	3 920	-	-	24	538	5 090	-	-
Kent	173	7 289	86 696	-	-	266	9 926	139 340	1	(D)
Lake	18	571	5 879	-	-	24	581	4 370	-	-
Lapeer	206	7 554	104 016	-	-	300	13 996	175 363	-	-
Leelanau	36	865	10 810	-	-	55	1 775	19 705	-	-
Lenawee	112	6 671	103 041	2	(D)	154	9 843	151 657	2	(D)
Livingston	110	5 013	63 699	-	-	162	7 077	94 234	-	-
Luce	4	114	1 503	-	-	8	(D)	1 656	-	-
Mackinac	6	277	2 965	-	-	20	890	9 352	-	-
Macomb	43	1 162	17 148	-	-	94	3 614	53 263	-	-
Manistee	35	1 367	16 116	-	-	38	828	7 524	-	-
Marquette	6	375	3 670	-	-	11	(D)	5 024	-	-
Mason	52	2 091	23 101	-	-	95	2 861	32 930	1	(D)
Mecosta	124	4 016	32 314	2	(D)	146	3 804	41 221	1	(D)
Menominee	145	5 879	69 495	1	(D)	181	7 706	86 890	1	(D)
Midland	32	1 238	17 354	1	(D)	39	2 367	34 473	-	-
Missaukee	150	9 390	81 128	8	377	172	9 624	95 467	7	260
Monroe	49	1 621	27 248	-	-	78	3 217	67 462	-	-
Montcalm	136	5 184	51 074	15	493	188	5 453	64 832	10	199
Montmorency	11	454	4 320	1	(D)	24	1 176	10 843	-	-
Muskegon	63	2 633	23 694	1	(D)	102	5 289	62 272	-	-
Newaygo	144	5 098	59 669	1	(D)	176	5 626	67 481	2	(D)
Oakland	30	1 056	10 382	-	-	40	1 125	11 786	-	-
Oceana	103	3 914	42 571	1	(D)	150	4 025	51 922	3	133
Ogemaw	89	4 418	51 813	-	-	112	5 803	63 063	-	-
Osceola	118	5 502	51 222	2	(D)	145	5 811	61 984	3	64
Oscoda	34	970	9 950	-	-	38	1 379	14 524	-	-
Otsego	37	705	8 999	2	(D)	53	1 661	15 658	-	-
Ottawa	288	10 509	125 200	7	225	370	11 843	171 135	3	144
Presque Isle	63	2 229	24 568	-	-	91	2 674	29 920	1	(D)
Saginaw	99	2 482	41 749	1	(D)	124	4 032	58 684	2	(D)
St. Clair	103	2 910	33 235	-	-	200	7 385	86 286	-	-
St. Joseph	69	1 830	25 098	8	311	117	3 323	47 615	11	246
Sanilac	452	22 711	279 075	1	(D)	638	31 077	405 308	1	(D)
Schoolcraft	4	52	500	-	-	5	66	735	-	-
Shiawassee	125	5 319	61 010	1	(D)	188	6 963	104 310	1	(D)
Tuscola	134	5 351	71 917	1	(D)	215	6 912	81 427	-	-
Van Buren	29	944	10 162	2	(D)	64	1 433	21 461	-	-
Washtenaw	138	6 609	72 226	1	(D)	191	8 113	121 911	-	-
Wexford	29	1 064	7 614	-	-	47	1 508	14 027	1	(D)
All other counties	4	(D)	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)

Table 26. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
SORGHUM FOR SILAGE OR GREEN CHOP (TONS, GREEN)										
State Total										
Michigan	295	7 730	97 538	6	156	128	1 604	14 939	3	20
Counties										
Allegan	5	103	961	-	-	5	(D)	400	-	-
Barry	5	121	2 055	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Branch	4	131	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Calhoun	3	(D)	(D)	-	-	3	35	(D)	-	-
Clare	10	176	1 871	-	-	3	35	(D)	-	-
Clinton	7	186	1 711	-	-	4	(D)	(D)	-	-
Eaton	4	150	3 000	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Gladwin	7	89	975	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Gratiot	9	815	13 046	-	-	3	(D)	(D)	1	(D)
Huron	30	1 309	20 865	3	128	(NA)	(NA)	(NA)	(NA)	(NA)
Ingham	3	105	1 600	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Ionia	14	318	4 659	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Iosco	4	46	261	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Isabella	11	416	5 772	-	-	5	94	824	-	-
Kent	6	79	927	-	-	4	49	545	-	-
Lapeer	11	150	780	-	-	7	90	1 078	-	-
Mecosta	4	93	1 020	1	(D)	3	24	124	-	-
Menominee	8	302	1 487	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Missaukee	7	92	530	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Montcalm	3	49	284	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Muskegon	4	115	635	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Newaygo	7	121	996	-	-	4	40	310	-	-
Oceana	4	56	430	-	-	3	53	(D)	-	-
Ogemaw	14	313	2 938	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Osceola	5	135	1 170	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Ottawa	14	300	5 776	1	(D)	4	45	(D)	-	-
Presque Isle	3	(D)	(D)	-	-	3	(D)	(D)	-	-
Saginaw	6	74	474	-	-	5	(D)	660	-	-
St. Clair	8	108	1 821	-	-	5	181	1 300	-	-
Sanilac	26	570	4 831	-	-	5	58	560	-	-
Shiawassee	7	191	2 846	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Tuscola	6	293	3 261	-	-	4	32	384	-	-
Wexford	3	(D)	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
All other counties	33	551	6 316	-	-	(NA)	(NA)	(NA)	(NA)	(NA)

Table 27. **Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
LAND USED FOR VEGETABLES (SEE TEXT)								
State Total								
Michigan	3 267	134 965	908	51 775	3 634	119 598	778	39 060
Counties								
Alcona	3	(D)	-	-	3	(D)	-	-
Alger	4	9	3	(D)	3	(D)	1	(D)
Allegan	112	5 242	61	3 080	108	5 022	46	2 027
Alpena	18	148	3	9	14	189	1	(D)
Antrim	16	64	3	19	11	46	3	17
Arenac	48	2 465	8	182	29	1 692	1	(D)
Barry	33	784	6	19	48	1 534	7	(D)
Bay	126	4 324	31	962	125	3 457	10	285
Benzie	13	220	3	(D)	12	147	2	(D)
Berrien	298	7 637	119	3 705	362	8 279	90	2 545
Branch	17	476	8	427	20	311	9	244
Calhoun	21	812	4	(D)	28	2 214	3	(D)
Cass	54	3 109	22	1 988	59	2 594	24	1 189
Charlevoix	15	555	4	5	16	590	4	4
Cheboygan	9	68	2	(D)	14	34	1	(D)
Chippewa	4	4	-	-	4	32	2	(D)
Clare	3	19	-	-	5	43	-	-
Clinton	22	427	8	(D)	33	372	6	(D)
Delta	16	92	4	11	15	59	4	13
Dickinson	4	39	1	(D)	(NA)	(NA)	(NA)	(NA)

Table 27. **Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
LAND USED FOR VEGETABLES (SEE TEXT) —Con.								
Counties—Con.								
Eaton	39	1 752	11	70	29	1 362	9	(D)
Emmet	9	124	4	58	12	151	4	(D)
Genesee	46	647	10	61	59	621	5	17
Gladwin	3	(D)	1	(D)	9	143	-	-
Gogebic	3	3	2	(D)	(NA)	(NA)	(NA)	(NA)
Grand Traverse	41	2 877	5	14	36	1 864	5	(D)
Gratiot	61	4 241	11	545	41	2 542	11	186
Hillsdale	21	348	9	277	24	459	6	379
Houghton	9	49	3	8	8	16	1	(D)
Huron	11	55	-	-	6	16	2	(D)
Ingham	36	1 850	9	1 167	45	1 817	12	961
Ionia	49	1 839	8	672	64	2 548	5	(D)
Iosco	5	31	2	(D)	5	31	1	(D)
Isabella	12	320	3	(D)	14	352	4	(D)
Jackson	48	1 721	17	629	51	1 341	10	446
Kalamazoo	45	2 129	16	1 738	53	657	8	139
Kalkaska	4	(D)	2	(D)	(NA)	(NA)	(NA)	(NA)
Kent	118	4 205	52	2 702	136	3 504	52	1 405
Lapeer	60	4 410	25	2 500	63	3 430	21	1 585
Leelanau	16	172	4	26	20	239	4	(D)
Lenawee	78	3 416	11	385	71	2 671	5	87
Livingston	30	1 302	14	(D)	43	1 286	16	(D)
Luce	4	21	1	(D)	3	(D)	2	(D)
Mackinac	3	(D)	-	-	3	15	1	(D)
Macomb	139	4 589	24	643	172	4 700	30	947
Manistee	46	1 951	27	938	39	1 117	21	478
Marquette	3	(D)	-	-	10	23	2	(D)
Mason	101	4 997	10	807	93	3 833	7	722
Mecosta	19	544	3	(D)	32	725	1	(D)
Menominee	5	16	-	-	3	6	-	-
Midland	17	504	1	(D)	16	375	3	(D)
Monroe	107	3 592	15	674	124	3 831	19	556
Montcalm	43	2 607	30	2 206	33	1 140	16	920
Montmorency	3	12	-	-	(NA)	(NA)	(NA)	(NA)
Muskegon	60	4 235	14	1 665	52	3 644	16	1 194
Newaygo	58	4 654	26	2 936	62	5 356	23	3 388
Oakland	38	573	10	164	56	655	13	221
Oceana	315	17 069	29	1 983	332	12 605	19	715
Ogemaw	5	42	1	(D)	6	11	-	-
Ontonagon	4	4	2	(D)	4	10	-	-
Osceola	5	13	-	-	(NA)	(NA)	(NA)	(NA)
Oscoda	3	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Otsego	4	5	-	-	3	7	-	-
Ottawa	152	4 342	80	2 438	162	4 186	88	2 175
Presque Isle	6	20	1	(D)	(NA)	(NA)	(NA)	(NA)
Saginaw	59	3 011	7	297	66	2 228	11	199
St. Clair	45	1 041	3	(D)	70	1 751	4	(D)
St. Joseph	29	1 430	14	812	38	1 590	9	(D)
Sanilac	27	599	6	69	25	762	4	(D)
Schoolcraft	7	17	-	-	3	7	-	-
Shiawassee	21	154	7	37	19	89	3	4
Tuscola	40	1 992	8	414	38	1 998	9	497
Van Buren	201	14 850	45	11 007	261	12 359	42	8 276
Washtenaw	47	1 533	23	957	60	2 145	23	1 235
Wayne	55	1 501	12	239	71	1 865	13	157
Wexford	10	721	-	-	11	755	-	-
All other counties	4	22	-	-	(NA)	(NA)	(NA)	(NA)
VEGETABLES HARVESTED (SEE TEXT)								
State Total								
Michigan	3 267	139 145	908	53 780	3 634	126 248	778	43 149
Counties								
Alcona	3	(D)	-	-	3	(D)	-	-
Alger	4	9	3	(D)	3	(D)	1	(D)
Allegan	112	5 351	61	3 096	108	7 091	46	2 028
Alpena	18	148	3	9	14	190	1	(D)
Antrim	16	63	3	19	11	47	3	17
Arenac	48	2 491	8	182	29	1 693	1	(D)
Barry	33	830	5	28	48	1 534	7	(D)
Bay	126	4 337	31	962	125	3 478	10	285
Benzie	13	220	3	(D)	12	147	2	(D)
Berrien	298	7 680	119	3 718	362	8 322	90	2 547
Branch	17	477	6	427	20	309	9	244
Calhoun	21	812	4	(D)	28	2 223	3	(D)
Cass	54	3 143	22	2 023	59	2 592	24	1 188
Charlevoix	15	554	4	5	16	590	4	4
Cheboygan	9	68	2	(D)	14	34	1	(D)
Chippewa	4	4	-	-	4	31	2	(D)
Clare	3	19	-	-	5	43	-	-
Clinton	22	428	6	(D)	33	381	6	(D)
Delta	16	92	4	11	15	57	4	12
Dickinson	4	39	1	(D)	(NA)	(NA)	(NA)	(NA)

Table 27. **Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
VEGETABLES HARVESTED (SEE TEXT)—Con.								
Counties—Con.								
Eaton	39	2 054	11	70	29	2 180	9	(D)
Emmet	9	122	4	57	12	150	4	(D)
Genesee	46	649	10	61	56	618	5	16
Gladwin	3	(D)	1	(D)	8	143	-	-
Gogebic	3	4	2	(D)	(NA)	(NA)	(NA)	(NA)
Grand Traverse	41	2 877	5	14	36	1 865	5	(D)
Gratiot	61	4 241	11	545	41	2 650	11	186
Hillsdale	21	348	9	277	24	459	6	381
Houghton	9	49	3	8	8	16	1	(D)
Huron	11	55	-	-	6	16	2	(D)
Ingham	36	2 438	9	1 752	45	1 822	12	960
Ionia	49	1 843	8	672	64	2 555	5	(D)
Iosco	5	31	2	(D)	5	31	1	(D)
Isabella	12	325	3	(D)	14	352	4	(D)
Jackson	48	1 903	17	806	51	1 344	10	446
Kalamazoo	45	2 129	16	1 738	53	654	8	139
Kalkaska	4	(D)	2	(D)	(NA)	(NA)	(NA)	(NA)
Kent	118	4 311	52	2 792	136	3 531	52	1 426
Lapeer	60	4 414	25	2 499	63	3 427	21	1 584
Leelanau	16	183	4	30	20	241	4	(D)
Lenawee	78	3 421	11	365	71	2 673	5	87
Livingston	30	2 170	14	(D)	43	(D)	16	(D)
Luce	4	21	1	(D)	3	(D)	2	(D)
Mackinac	3	(D)	-	-	3	14	1	(D)
Macomb	139	4 680	24	727	172	4 804	30	973
Manistee	46	1 963	27	938	39	1 117	21	478
Marquette	3	(D)	-	-	10	23	2	(D)
Mason	101	5 012	10	807	93	3 833	7	722
Mecosta	19	548	3	(D)	32	724	1	(D)
Menominee	5	16	-	-	3	6	-	-
Midland	17	503	1	(D)	16	375	3	(D)
Monroe	107	3 627	15	674	124	3 893	19	564
Montcalm	43	2 672	30	2 273	33	1 142	16	920
Montmorency	3	13	-	-	(NA)	(NA)	(NA)	(NA)
Muskegon	60	4 236	14	1 665	52	3 658	16	1 208
Newaygo	58	4 885	26	2 936	62	5 357	23	3 388
Oakland	38	575	10	164	56	657	13	222
Oceana	315	17 079	29	1 983	332	12 639	19	716
Ogemaw	5	42	1	(D)	6	11	-	-
Ontonagon	4	6	2	(D)	4	10	-	-
Osceola	5	13	-	-	(NA)	(NA)	(NA)	(NA)
Oscoda	3	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Otsego	4	5	-	-	3	7	-	-
Ottawa	152	4 475	80	2 492	182	4 265	88	2 210
Presque Isle	8	21	1	(D)	(NA)	(NA)	(NA)	(NA)
Saginaw	59	3 016	7	297	66	2 233	11	202
St. Clair	45	1 060	3	(D)	70	1 749	4	(D)
St. Joseph	29	2 669	14	812	38	(D)	9	(D)
Sanilac	27	601	6	68	25	763	4	(D)
Schoolcraft	7	17	-	-	3	(D)	-	-
Shiawassee	21	156	7	37	19	93	3	4
Tuscola	40	1 994	8	416	38	1 998	9	496
Van Buren	201	14 853	45	11 007	281	12 391	42	8 207
Washtenaw	47	1 673	23	958	60	2 148	23	1 235
Wayne	55	1 519	12	239	71	1 914	13	155
Wexford	10	720	-	-	11	754	-	-
All other counties	4	22	-	-	(NA)	(NA)	(NA)	(NA)
ASPARAGUS								
State Total								
Michigan	881	23 426	82	1 009	935	19 517	50	458
Counties								
Allegan	27	677	4	39	26	479	4	(D)
Antrim	3	8	-	-	2	5	-	-
Barry	5	(D)	2	(D)	(NA)	(NA)	(NA)	(NA)
Benzie	5	(D)	-	-	3	(D)	-	-
Berrien	60	673	6	62	81	882	4	(D)
Cass	15	639	1	(D)	24	859	3	10
Clinton	10	14	4	4	6	9	-	-
Eaton	10	62	1	(D)	(NA)	(NA)	(NA)	(NA)
Genesee	5	18	-	-	4	1	-	-
Grand Traverse	9	114	-	-	(NA)	(NA)	(NA)	(NA)
Hillsdale	3	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Huron	3	(D)	-	-	(NA)	(NA)	(NA)	(NA)
Ingham	4	5	-	-	4	(D)	1	(D)
Ionia	3	(D)	1	(D)	3	1	-	-
Jackson	10	66	2	(D)	8	(D)	2	(D)
Kalamazoo	10	98	-	-	12	140	-	-
Kent	19	192	1	(D)	20	125	3	(D)
Lapeer	5	15	-	-	(NA)	(NA)	(NA)	(NA)
Leelanau	6	100	-	-	13	147	-	-
Macomb	11	31	2	(D)	(NA)	(NA)	(NA)	(NA)

Table 27. **Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982**--Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
ASPARAGUS–Con.								
Counties--Con.								
Manistee	24	815	3	(D)	18	559	4	37
Mason	75	2 096	2	(D)	56	923	2	(D)
Mecosta	11	392	-	-	16	531	1	(D)
Monroe	5	20	1	(D)	4	11	-	-
Muskegon	25	563	-	-	21	441	-	-
Newaygo	10	335	-	-	7	155	-	-
Oakland	3	(D)	1	(D)	4	5	1	(D)
Oceana	293	12 371	7	176	313	9 496	2	(D)
Ottawa	28	553	4	8	29	467	5	5
St. Clair	3	(D)	-	-	(NA)	(NA)	(NA)	(NA)
St. Joseph	12	324	5	(D)	12	345	2	(D)
Van Buren	121	2 679	6	274	188	3 328	6	265
Washtenaw	5	16	-	-	4	14	-	-
Wayne	6	25	1	(D)	4	(D)	-	-
All other counties	37	289	7	21	(NA)	(NA)	(NA)	(NA)
GREEN LIMA BEANS								
State Total								
Michigan	35	80	7	16	34	71	11	8
SNAP BEANS								
State Total								
Michigan	510	21 198	154	8 557	665	18 444	142	6 931
Counties								
Allegan	12	769	8	463	12	26	5	7
Alpena	3	(D)	-	-	5	(D)	1	(D)
Barry	17	690	1	(D)	22	601	2	(D)
Bay	11	26	4	3	12	25	-	-
Berrien	29	66	8	42	37	97	5	(D)
Calhoun	3	2	-	-	5	2	-	-
Cass	11	1 029	8	949	9	(D)	7	(D)
Charlevoix	4	(D)	1	(D)	6	(D)	2	(D)
Emmet	4	5	1	(D)	4	(D)	2	(D)
Genesee	10	43	1	(D)	19	36	1	(D)
Gogebic	3	(Z)	2	(D)	(NA)	(NA)	(NA)	(NA)
Grand Traverse	14	2 669	-	-	13	1 749	1	(D)
Gratiot	8	6	-	-	4	3	1	(D)
Hillsdale	5	2	-	-	(NA)	(NA)	(NA)	(NA)
Houghton	3	(D)	-	-	(NA)	(NA)	(NA)	(NA)
Ingham	7	18	3	(D)	11	3	4	1
Ionia	21	976	-	-	31	1 376	-	-
Jackson	9	12	4	1	16	14	3	(D)
Kalamazoo	5	2	-	-	10	17	-	-
Kent	22	72	12	24	30	166	11	18
Lapeer	13	(D)	5	(D)	14	(D)	2	(D)
Lenawee	6	3	1	(D)	6	(D)	-	-
Livingston	6	2	1	(D)	12	10	6	1
Mackinac	3	2	-	-	(NA)	(NA)	(NA)	(NA)
Macomb	30	619	2	(D)	37	566	3	(D)
Manistee	3	(D)	1	(D)	6	(D)	2	(D)
Mason	36	2 610	7	501	34	2 606	4	520
Midland	3	(D)	-	-	3	(D)	-	-
Monroe	28	109	4	(D)	35	81	4	21
Montcalm	7	721	7	521	3	(D)	1	(D)
Muskegon	10	726	4	(D)	9	673	2	(D)
Oakland	6	3	3	(D)	9	3	4	1
Oceana	19	1 561	9	584	24	1 465	7	362
Ottawa	22	47	17	42	35	69	19	30
Saginaw	6	12	1	(D)	12	14	3	1
St. Clair	9	310	-	-	23	553	1	(D)
St. Joseph	6	10	5	9	7	54	2	(D)
Sanilac	4	(D)	1	(D)	4	2	-	-
Shiawassee	4	7	3	(D)	8	20	2	(D)
Tuscola	7	6	1	(D)	3	(D)	1	(D)
Van Buren	19	(D)	9	(D)	24	(D)	7	(D)
Washtenaw	13	39	6	35	21	41	7	36
Wayne	17	60	3	(D)	26	58	3	20
Wexford	8	696	-	-	7	738	-	-
All other counties	26	106	11	8	(NA)	(NA)	(NA)	(NA)
BEETS								
State Total								
Michigan	60	361	24	286	85	59	15	17

Table 27. **Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
BROCCOLI								
State Total								
Michigan	184	514	77	325	195	452	76	170
Counties								
Allegan	9	24	5	16	10	43	5	16
Bay	5	8	1	(D)	4	1	1	(D)
Berrien	15	29	7	12	10	26	4	(D)
Cass	4	12	3	10	3	4	3	4
Emmet	4	4	1	(D)	(NA)	(NA)	(NA)	(NA)
Houghton	3	(D)	-	-	(NA)	(NA)	(NA)	(NA)
Kent	11	38	7	12	20	40	6	13
Lapeer	9	10	2	(D)	7	7	-	-
Lenawee	3	(D)	-	-	3	1	1	(D)
Livingston	4	2	1	(D)	6	2	3	(D)
Macomb	26	57	4	30	14	26	2	(D)
Manistee	3	11	3	11	(NA)	(NA)	(NA)	(NA)
Monroe	7	12	-	-	6	9	1	(D)
Muskegon	3	6	3	5	(NA)	(NA)	(NA)	(NA)
Oakland	4	(D)	2	(D)	(NA)	(NA)	(NA)	(NA)
Oceana	5	36	2	(D)	10	47	7	32
Ottawa	20	18	11	8	17	29	7	3
Saginaw	7	52	1	(D)	6	(D)	2	(D)
St. Clair	4	9	-	-	(NA)	(NA)	(NA)	(NA)
Van Buren	6	7	2	(D)	6	39	4	14
Washtenaw	7	(D)	5	(D)	3	2	2	(D)
Wayne	4	7	-	-	7	3	5	2
All other counties	31	73	17	56	(NA)	(NA)	(NA)	(NA)
HEAD CABBAGE								
State Total								
Michigan	327	2 929	101	1 179	377	2 648	103	1 079
Counties								
Allegan	11	41	7	21	14	29	3	(D)
Bay	28	308	11	122	18	218	4	(D)
Berrien	16	52	7	24	18	36	3	(D)
Cass	4	(D)	3	(D)	4	7	4	7
Delta	6	12	3	(D)	(NA)	(NA)	(NA)	(NA)
Gratiot	3	26	-	-	(NA)	(NA)	(NA)	(NA)
Houghton	4	(D)	1	(D)	3	1	-	-
Ingham	5	(D)	1	(D)	8	(D)	3	(D)
Jackson	6	(D)	1	(D)	10	(D)	2	(D)
Kalamazoo	8	70	3	(D)	5	4	1	(D)
Kent	12	180	8	155	24	176	12	129
Lapeer	10	60	2	(D)	10	83	2	(D)
Lenawee	6	52	2	(D)	8	77	3	(D)
Macomb	46	470	9	92	59	493	9	172
Monroe	29	217	5	(D)	30	255	5	63
Oakland	3	(D)	1	(D)	6	3	3	1
Oceana	9	83	3	(D)	(NA)	(NA)	(NA)	(NA)
Ottawa	18	422	11	310	23	294	11	202
Saginaw	8	201	1	(D)	14	242	4	(D)
St. Clair	14	123	2	(D)	21	208	3	(D)
Sanilac	4	5	2	(D)	(NA)	(NA)	(NA)	(NA)
Tuscola	5	4	2	(D)	(NA)	(NA)	(NA)	(NA)
Van Buren	6	8	1	(D)	10	49	2	(D)
Washtenaw	9	(D)	2	(D)	5	(D)	3	(D)
Wayne	9	76	-	-	18	41	4	3
All other counties	42	246	13	185	(NA)	(NA)	(NA)	(NA)
CANTALOUPS								
State Total								
Michigan	389	1 318	165	678	424	1 504	140	735
Counties								
Allegan	10	15	8	11	7	61	4	(D)
Arenac	5	6	-	-	(NA)	(NA)	(NA)	(NA)
Bay	40	290	9	125	41	216	4	71
Berrien	46	166	26	125	43	127	19	80
Branch	4	3	2	(D)	5	11	3	(D)
Cass	5	19	3	17	6	5	5	4
Clinton	3	(D)	3	(D)	6	8	1	(D)
Genesee	5	(D)	2	(D)	6	(D)	-	-
Gratiot	4	19	-	-	(NA)	(NA)	(NA)	(NA)
Ionia	7	8	2	(D)	3	(D)	1	(D)

Table 27. **Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
CANTALOUPS—Con.								
Counties—Con.								
Isabella	3	(D)	-	-	(NA)	(NA)	(NA)	(NA)
Jackson	9	27	4	(D)	19	29	4	(D)
Kalamazoo	7	12	4	7	8	14	4	6
Kent	14	29	8	21	16	25	4	6
Lapeer	7	9	2	(D)	4	(D)	-	-
Lenawee	17	28	5	4	6	21	1	(D)
Livingston	12	71	9	68	12	61	8	56
Macomb	35	111	4	13	37	137	10	46
Manistee	3	3	3	3	(NA)	(NA)	(NA)	(NA)
Monroe	23	141	4	43	33	128	5	19
Montcalm	3	2	3	2	(NA)	(NA)	(NA)	(NA)
Newaygo	3	(D)	1	(D)	3	(D)	1	(D)
Oakland	13	20	6	9	12	20	4	(D)
Ottawa	24	97	17	84	36	94	19	54
Saginaw	9	23	1	(D)	15	25	3	(D)
St. Clair	4	21	1	(D)	4	(D)	1	(D)
St. Joseph	4	15	3	(D)	5	(D)	3	(D)
Sanilac	3	4	2	(D)	(NA)	(NA)	(NA)	(NA)
Shiawassee	6	(D)	4	(D)	3	(D)	-	-
Van Buren	12	62	6	45	19	237	9	191
Washtenaw	14	18	7	9	19	61	10	45
Wayne	14	26	5	15	18	79	5	12
All other counties	21	24	11	8	(NA)	(NA)	(NA)	(NA)
CARROTS								
State Total								
Michigan	133	7 890	64	4 822	161	6 345	58	3 765
Counties								
Allegan	8	129	6	54	9	245	3	(D)
Calhoun	3	140	1	(D)	5	(D)	1	(D)
Eaton	5	261	-	-	(NA)	(NA)	(NA)	(NA)
Jackson	3	255	1	(D)	3	(Z)	-	-
Kalamazoo	3	(D)	3	(D)	(NA)	(NA)	(NA)	(NA)
Lapeer	13	1 619	6	916	13	1 329	4	408
Lenawee	3	195	-	-	4	(D)	-	-
Macomb	6	1	1	(D)	9	8	-	-
Muskegon	3	450	3	396	3	315	2	(D)
Newaygo	18	1 778	16	1 234	25	2 079	15	1 598
Oceana	9	265	3	(D)	(NA)	(NA)	(NA)	(NA)
Ottawa	11	96	7	89	14	100	9	83
Saginaw	4	(D)	-	-	(NA)	(NA)	(NA)	(NA)
Van Buren	3	(D)	-	-	4	8	-	-
All other counties	41	1 380	17	826	(NA)	(NA)	(NA)	(NA)
CAULIFLOWER								
State Total								
Michigan	190	1 595	79	963	286	1 420	100	634
Counties								
Allegan	14	508	13	404	24	447	12	178
Bay	8	151	5	104	15	119	5	78
Berrien	10	22	7	15	13	47	6	28
Cass	5	16	2	(D)	3	(D)	3	(D)
Gratiot	13	195	6	81	8	65	5	35
Kent	9	39	8	28	25	53	9	19
Lapeer	6	33	1	(D)	9	26	1	(D)
Lenawee	3	(Z)	-	-	3	(D)	-	-
Macomb	28	93	5	17	46	140	10	71
Manistee	5	(D)	5	(D)	(NA)	(NA)	(NA)	(NA)
Monroe	8	53	2	(D)	9	50	1	(D)
Oceana	11	106	4	78	9	78	5	36
Ottawa	16	45	7	11	21	68	8	13
Saginaw	3	4	-	-	6	3	3	(D)
St. Clair	9	61	2	(D)	15	89	2	(D)
Van Buren	5	5	1	(D)	6	44	3	35
Washtenaw	4	2	2	(D)	4	(D)	2	(D)
Wayne	4	10	-	-	9	15	3	1
All other counties	29	(D)	11	23	(NA)	(NA)	(NA)	(NA)

Table 27. **Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
CELERY								
State Total								
Michigan	56	2 914	50	2 848	70	3 518	56	3 358
Counties								
Allegan	8	250	8	250	4	155	4	155
Kent	7	322	7	322	6	311	6	311
Lapeer	4	(D)	2	(D)	4	(D)	2	(D)
Muskegon	4	258	4	258	5	362	5	362
Ottawa	20	778	18	723	33	1 095	27	988
All other counties	13	(D)	11	(D)	(NA)	(NA)	(NA)	(NA)
COLLARDS								
State Total								
Michigan	28	140	7	43	47	217	10	35
Counties								
Macomb	18	127	4	38	25	157	6	30
All other counties	10	13	3	5	(NA)	(NA)	(NA)	(NA)
CUCUMBERS AND PICKLES								
State Total								
Michigan	577	24 558	230	10 401	585	17 012	175	5 525
Counties								
Allegan	21	1 520	18	1 129	23	887	16	646
Alpena	3	3	-	-	5	(D)	-	-
Arenac	31	2 115	3	145	23	1 536	1	(D)
Bay	54	1 400	19	220	41	1 162	2	(D)
Berrien	52	1 529	38	1 325	53	1 027	27	696
Cass	10	453	6	312	13	261	9	229
Delta	4	1	2	(D)	3	(D)	2	(D)
Genesee	4	4	-	-	7	(D)	-	-
Grand Traverse	4	1	2	(D)	(NA)	(NA)	(NA)	(NA)
Gratiot	38	2 944	7	461	26	1 937	5	134
Hillsdale	3	(D)	3	(D)	(NA)	(NA)	(NA)	(NA)
Ingham	7	428	3	(D)	8	301	3	(D)
Jackson	4	(D)	1	(D)	13	67	4	(D)
Kent	21	839	10	314	23	547	10	196
Lapeer	6	(D)	3	3	8	7	1	(D)
Lenawee	8	436	1	(D)	7	245	1	(D)
Livingston	4	(D)	1	(D)	5	2	3	1
Mackinac	3	(D)	-	-	(NA)	(NA)	(NA)	(NA)
Macomb	20	66	3	(D)	29	163	3	(D)
Manistee	16	575	16	575	18	286	16	281
Mason	5	122	3	(D)	4	(D)	2	(D)
Midland	5	(D)	1	(D)	3	286	-	-
Monroe	27	253	4	(D)	15	91	1	(D)
Montcalm	9	484	8	484	8	324	5	270
Muskegon	7	(D)	4	(D)	7	(D)	4	(D)
Newaygo	3	84	1	(D)	3	(D)	3	45
Oakland	5	5	2	(D)	9	7	4	3
Oceana	51	1 535	14	549	36	1 245	5	169
Ottawa	24	408	15	190	24	342	11	245
Presque Isle	3	(Z)	1	(D)	(NA)	(NA)	(NA)	(NA)
Saginaw	22	1 883	1	(D)	24	693	1	(D)
St. Clair	9	54	-	-	14	104	1	(D)
Sanilac	7	(D)	3	(D)	13	731	1	(D)
Shiawassee	5	8	4	4	3	4	-	-
Tuscola	16	1 549	2	(D)	14	1 093	1	(D)
Van Buren	26	3 169	15	3 017	26	1 699	18	1 410
Washtenaw	6	(D)	4	(D)	11	20	5	(D)
Wayne	9	5	-	-	16	24	2	(D)
All other counties	25	171	12	134	(NA)	(NA)	(NA)	(NA)
EGGPLANT								
State Total								
Michigan	69	140	22	67	88	128	28	78
Counties								
Bay	3	(D)	-	-	3	2	-	-
Berrien	12	25	7	19	13	16	5	8
Kent	6	9	1	(D)	3	(D)	1	(D)
Macomb	12	29	2	(D)	17	52	5	39
Monroe	7	11	-	-	4	7	-	-
Oceana	3	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Ottawa	6	(D)	4	(D)	4	3	1	(D)
Van Buren	5	15	1	(D)	5	11	3	8
Wayne	4	2	1	(D)	14	10	6	3
All other counties	11	7	5	2	(NA)	(NA)	(NA)	(NA)

Table 27. Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
HONEYDEW MELONS								
State Total								
Michigan	26	61	9	23	31	54	5	10
Counties								
Bay	4	19	1	(D)	8	18	-	-
Livingston	3	7	1	(D)	(NA)	(NA)	(NA)	(NA)
Ottawa	3	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Wayne	3	13	-	-	(NA)	(NA)	(NA)	(NA)
All other counties	13	(D)	6	13	(NA)	(NA)	(NA)	(NA)
KALE								
State Total								
Michigan	10	98	7	88	(NA)	(NA)	(NA)	(NA)
Counties								
Kent	4	56	4	56	(NA)	(NA)	(NA)	(NA)
All other counties	6	42	3	32	(NA)	(NA)	(NA)	(NA)
LETTUCE AND ROMAINE								
State Total								
Michigan	53	1 533	31	1 494	67	1 183	28	1 080
Counties								
Kent	6	147	5	145	5	(D)	5	(D)
Lapeer	6	423	5	422	7	136	4	127
Macomb	14	115	5	105	14	92	7	62
Monroe	3	(D)	1	(D)	4	54	2	(D)
Ottawa	3	(D)	2	(D)	(NA)	(NA)	(NA)	(NA)
All other counties	21	782	13	773	(NA)	(NA)	(NA)	(NA)
MUSTARD GREENS								
State Total								
Michigan	41	145	11	55	63	310	14	73
Counties								
Lapeer	3	8	2	(D)	(NA)	(NA)	(NA)	(NA)
Macomb	19	76	4	33	29	144	6	44
All other counties	19	61	5	(D)	(NA)	(NA)	(NA)	(NA)
DRY ONIONS								
State Total								
Michigan	217	8 621	80	4 933	259	7 961	81	3 919
Counties								
Allegan	12	800	9	345	21	1 301	9	580
Bay	35	238	3	37	41	164	2	(D)
Calhoun	4	340	1	(D)	6	679	1	(D)
Eaton	10	744	1	(D)	6	261	1	(D)
Ingham	8	895	4	886	9	458	2	(D)
Ionia	3	297	3	(D)	(NA)	(NA)	(NA)	(NA)
Jackson	4	323	2	(D)	6	(D)	4	(D)
Kent	4	(D)	2	(D)	8	292	4	(D)
Lapeer	8	506	5	474	15	453	8	388
Livingston	3	(D)	-	-	3	(Z)	-	-
Macomb	9	9	3	(D)	8	9	-	-
Monroe	5	11	-	-	6	1	-	-
Muskegon	4	453	3	(D)	3	570	2	(D)
Newaygo	20	1 969	17	1 276	23	2 414	14	1 323
Ottawa	26	656	8	165	24	508	12	174
Saginaw	6	6	-	-	14	35	-	-
St. Joseph	3	(D)	2	(D)	4	2	-	-
Shiawassee	4	(D)	-	-	3	2	2	(D)
Tuscola	8	225	5	191	9	60	2	(D)
Van Buren	3	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Washtenaw	5	(D)	2	(D)	7	(D)	3	(D)
Wayne	4	2	1	(D)	9	14	2	(D)
All other counties	29	778	8	545	(NA)	(NA)	(NA)	(NA)
GREEN ONIONS								
State Total								
Michigan	46	475	16	242	58	343	18	141

Table 27. Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
OKRA								
State Total								
Michigan	10	13	5	11	9	11	3	4
PARSLEY								
State Total								
Michigan	6	33	2	(D)	7	31	5	15
GREEN PEAS, EXCLUDING GREEN COWPEAS								
State Total								
Michigan	188	1 533	58	1 248	308	2 260	85	713
Counties								
Allegan	5	(D)	4	(D)	6	7	2	(D)
Bay	6	2	-	-	6	3	-	-
Berrien	13	50	4	(D)	8	15	3	(D)
Emmet	4	5	1	(D)	3	(D)	2	(D)
Genesee	6	12	1	(D)	13	21	1	(D)
Gratiot	4	8	-	-	6	3	1	(D)
Ingham	3	(D)	-	-	5	1	2	(D)
Kalamazoo	3	3	-	-	6	6	-	-
Kent	5	(D)	3	(D)	12	33	8	26
Lapeer	4	2	-	-	11	4	2	(D)
Lenawee	5	2	1	(D)	4	1	-	-
Mackinac	3	(Z)	-	-	(NA)	(NA)	(NA)	(NA)
Macomb	16	27	1	(D)	8	10	-	-
Manistee	3	(D)	3	(D)	3	1	1	(D)
Monroe	12	18	-	-	18	27	4	4
Montcalm	13	1 031	11	1 027	11	676	8	639
Ottawa	12	39	9	37	16	8	10	3
Saginaw	3	(D)	-	-	5	(D)	-	-
St. Joseph	4	10	2	(D)	3	2	2	(D)
Shiawassee	3	(D)	2	(D)	6	3	2	(D)
Van Buren	5	4	1	(D)	13	7	3	2
Washtenaw	7	(D)	3	(D)	10	(D)	3	(D)
Wayne	7	25	-	-	15	25	1	(D)
All other counties	42	118	12	26	(NA)	(NA)	(NA)	(NA)
HOT PEPPERS								
State Total								
Michigan	105	761	27	386	84	333	18	47
Counties								
Allegan	4	(D)	2	(D)	(NA)	(NA)	(NA)	(NA)
Bay	15	112	2	(D)	8	63	-	-
Berrien	11	10	4	5	9	8	4	4
Gratiot	4	110	-	-	(NA)	(NA)	(NA)	(NA)
Ingham	3	(D)	2	(D)	3	(D)	-	-
Jackson	3	(D)	-	-	(NA)	(NA)	(NA)	(NA)
Kent	7	112	6	112	(NA)	(NA)	(NA)	(NA)
Lenawee	4	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Macomb	7	20	-	-	15	14	1	(D)
Midland	4	(D)	-	-	(NA)	(NA)	(NA)	(NA)
Monroe	9	24	-	-	6	(D)	-	-
Ottawa	6	4	4	2	6	1	2	(D)
Saginaw	5	(D)	1	(D)	5	(D)	-	-
Van Buren	6	1	-	-	(NA)	(NA)	(NA)	(NA)
Wayne	6	3	-	-	7	2	2	(D)
All other counties	11	89	5	86	(NA)	(NA)	(NA)	(NA)
SWEET PEPPERS								
State Total								
Michigan	404	3 193	158	1 362	380	2 250	124	954

Table 27. Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
SWEET PEPPERS—Con.								
Counties								
Allegan	12	105	9	99	6	17	3	(D)
Bay	40	365	15	163	29	298	3	35
Berrien	48	348	29	304	54	419	26	263
Cass	7	56	2	(D)	16	107	13	91
Emmet	5	3	2	(D)	(NA)	(NA)	(NA)	(NA)
Gratiot	16	738	-	-	8	369	1	(D)
Ingham	8	86	3	(D)	4	(D)	1	(D)
Jackson	8	(D)	2	(D)	8	(D)	1	(D)
Kalamazoo	7	22	6	(D)	4	3	1	(D)
Kent	15	64	9	41	20	37	13	26
Lenawee	9	(D)	2	(D)	4	(D)	2	(D)
Macomb	39	86	7	14	45	132	8	52
Monroe	22	170	1	(D)	21	180	4	96
Montcalm	6	22	4	(D)	3	(D)	-	-
Muskegon	4	(D)	3	(D)	(NA)	(NA)	(NA)	(NA)
Newaygo	4	94	2	(D)	3	(D)	3	(D)
Oakland	7	12	3	2	3	1	2	(D)
Oceana	9	215	7	189	(NA)	(NA)	(NA)	(NA)
Ottawa	24	138	14	99	24	88	15	81
Saginaw	13	169	2	(D)	14	(D)	2	(D)
St. Clair	9	31	1	(D)	11	27	-	-
St. Joseph	4	6	2	(D)	(NA)	(NA)	(NA)	(NA)
Shiawassee	3	(D)	2	(D)	3	4	-	-
Tuscola	10	49	5	32	9	35	4	28
Van Buren	15	93	5	88	22	113	9	100
Washtenaw	11	11	4	2	8	16	2	(D)
Wayne	19	68	2	(D)	23	56	3	1
All other counties	30	30	15	13	(NA)	(NA)	(NA)	(NA)
PUMPKINS								
State Total								
Michigan	524	2 145	113	355	345	1 153	39	215
Counties								
Allegan	14	56	9	48	5	6	1	(D)
Alpena	7	25	1	(D)	(NA)	(NA)	(NA)	(NA)
Barry	6	12	1	(D)	(NA)	(NA)	(NA)	(NA)
Bay	25	116	3	8	8	39	-	-
Berrien	35	153	10	45	22	47	3	(D)
Branch	5	24	2	(D)	(NA)	(NA)	(NA)	(NA)
Calhoun	4	9	-	-	4	(D)	-	-
Cass	5	15	1	(D)	8	65	-	-
Eaton	8	33	2	(D)	4	9	-	-
Genesee	18	60	2	(D)	15	16	1	(D)
Gratiot	7	35	-	-	(NA)	(NA)	(NA)	(NA)
Hillsdale	4	7	1	(D)	(NA)	(NA)	(NA)	(NA)
Houghton	4	9	-	-	(NA)	(NA)	(NA)	(NA)
Ingham	5	24	-	-	(NA)	(NA)	(NA)	(NA)
Ionia	3	9	-	-	6	6	-	-
Jackson	17	74	5	16	11	13	-	-
Kalamazoo	7	33	-	-	8	27	-	-
Kent	37	98	13	38	16	48	3	4
Lapeer	12	47	1	(D)	4	2	1	(D)
Lenawee	11	17	-	-	(NA)	(NA)	(NA)	(NA)
Livingston	14	21	3	(D)	6	10	1	(D)
Macomb	64	325	10	26	54	221	3	(D)
Manistee	6	7	4	6	(NA)	(NA)	(NA)	(NA)
Mecosta	3	3	2	(D)	(NA)	(NA)	(NA)	(NA)
Midland	3	(D)	-	-	(NA)	(NA)	(NA)	(NA)
Monroe	19	101	1	(D)	22	65	-	-
Montcalm	6	3	5	3	3	(D)	-	-
Muskegon	5	20	2	(D)	(NA)	(NA)	(NA)	(NA)
Newaygo	6	8	2	(D)	4	9	1	(D)
Oakland	15	111	3	2	17	91	1	(D)
Oceana	7	33	1	(D)	3	3	-	-
Ottawa	30	84	12	52	15	47	5	22
Saginaw	9	23	-	-	10	21	1	(D)
St. Clair	9	20	-	-	8	11	-	-
St. Joseph	5	20	2	(D)	(NA)	(NA)	(NA)	(NA)
Shiawassee	6	8	-	-	3	3	-	-
Tuscola	4	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Van Buren	14	66	2	(D)	11	40	2	(D)
Washtenaw	19	178	7	35	16	148	3	(D)
Wayne	13	118	1	(D)	10	58	4	(D)
All other counties	33	130	4	3	(NA)	(NA)	(NA)	(NA)
RADISHES								
State Total								
Michigan	37	5 206	21	3 183	51	9 527	18	5 826

Table 27. Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
RHUBARB								
State Total								
Michigan	23	183	8	94	30	133	5	(D)
Counties								
Berrien	7	131	6	(D)	3	46	1	(D)
Macomb	4	44	-	-	6	40	1	(D)
Van Buren	3	1	-	-	(NA)	(NA)	(NA)	(NA)
All other counties	9	7	2	(D)	(NA)	(NA)	(NA)	(NA)
SPINACH								
State Total								
Michigan	37	112	17	80	44	233	16	111
Counties								
Lapeer	3	46	3	46	7	58	4	48
Macomb	10	27	3	19	16	82	5	25
Monroe	3	(D)	-	-	3	(D)	-	-
All other counties	21	(D)	11	15	(NA)	(NA)	(NA)	(NA)
SQUASH								
State Total								
Michigan	507	3 386	137	1 063	466	2 240	98	632
Counties								
Allegan	11	103	4	(D)	9	24	2	(D)
Arenac	4	(D)	-	-	5	(D)	-	-
Bay	33	109	8	18	17	26	-	-
Berrien	87	589	25	254	95	542	16	194
Branch	3	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Calhoun	3	8	-	-	3	(D)	1	(D)
Cass	6	66	2	(D)	13	89	9	38
Charlevoix	4	5	2	(D)	3	(D)	-	-
Clinton	3	11	-	-	8	9	1	(D)
Eaton	4	(D)	1	(D)	6	14	-	-
Genesee	9	23	1	(D)	11	7	1	(D)
Gratiot	7	41	-	-	4	(D)	1	(D)
Hillsdale	3	2	-	-	(NA)	(NA)	(NA)	(NA)
Ingham	3	(D)	1	(D)	6	38	1	(D)
Ionia	5	10	-	-	(NA)	(NA)	(NA)	(NA)
Jackson	5	13	1	(D)	7	5	-	-
Kalamazoo	7	32	-	-	4	3	-	-
Kent	20	156	7	92	25	169	12	43
Lapeer	12	27	6	15	4	(D)	-	-
Lenawee	15	89	-	-	8	72	1	(D)
Livingston	6	8	1	(D)	4	1	1	(D)
Macomb	41	344	7	27	53	365	4	46
Manistee	4	2	2	(D)	(NA)	(NA)	(NA)	(NA)
Monroe	17	96	1	(D)	21	77	-	-
Montcalm	11	16	7	4	3	(D)	-	-
Muskegon	5	64	3	(D)	(NA)	(NA)	(NA)	(NA)
Newaygo	13	164	1	(D)	7	69	2	(D)
Oakland	5	5	2	(D)	(NA)	(NA)	(NA)	(NA)
Oceana	18	617	7	244	14	136	2	(D)
Ottawa	30	295	19	188	27	181	13	89
Saginaw	12	73	1	(D)	9	29	3	1
St. Clair	7	31	-	-	9	47	-	-
St. Joseph	6	4	5	(D)	4	7	3	(D)
Sanilac	3	(D)	-	-	(NA)	(NA)	(NA)	(NA)
Shiawassee	8	10	1	(D)	5	5	2	(D)
Tuscola	6	8	2	(D)	(NA)	(NA)	(NA)	(NA)
Van Buren	20	139	5	(D)	21	92	5	(D)
Washtenaw	9	7	5	3	6	7	3	2
Wayne	14	26	2	(D)	16	19	4	1
All other counties	28	87	7	6	(NA)	(NA)	(NA)	(NA)
SWEET CORN								
State Total								
Michigan	1 214	13 847	286	4 648	1 503	12 740	246	3 020

Table 27. **Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
SWEET CORN—Con.								
Counties								
Alger	3	7	2	(D)	(NA)	(NA)	(NA)	(NA)
Allegan	36	137	16	50	36	125	8	35
Alpena	9	23	1	(D)	9	22	-	-
Antrim	12	41	3	6	9	24	3	(D)
Arenac	13	85	3	(D)	7	10	-	-
Barry	10	41	3	(D)	18	40	5	13
Bay	73	640	11	63	68	387	-	-
Benzie	4	11	1	(D)	5	24	1	(D)
Berrien	56	654	23	338	89	664	19	140
Branch	13	65	3	(D)	17	87	6	35
Calhoun	17	94	3	4	17	301	1	(D)
Cass	22	246	7	169	20	129	8	63
Charlevoix	12	50	2	(D)	12	42	2	(D)
Cheboygan	8	52	1	(D)	12	(D)	1	(D)
Chippewa	3	(D)	-	-	3	(D)	1	(D)
Clinton	8	143	-	-	22	113	2	(D)
Delta	7	20	3	3	10	25	3	(D)
Eaton	15	323	6	40	13	89	5	33
Emmet	8	72	3	26	9	132	3	(D)
Genesee	32	330	5	29	48	347	5	8
Gogebic	3	(Z)	2	(D)	(NA)	(NA)	(NA)	(NA)
Grand Traverse	12	64	1	(D)	15	77	2	(D)
Gratiot	15	74	1	(D)	9	47	-	-
Hillsdale	17	75	6	26	20	72	3	(D)
Houghton	8	(D)	1	(D)	5	5	1	(D)
Huron	7	15	-	-	(NA)	(NA)	(NA)	(NA)
Ingham	20	78	3	12	26	155	4	4
Ionia	17	121	2	(D)	20	105	2	(D)
Isabella	5	(D)	-	-	5	55	-	-
Jackson	28	398	8	142	36	347	4	64
Kalamazoo	19	90	7	31	33	177	3	(D)
Kent	49	701	20	305	73	708	20	250
Lapeer	30	498	8	48	35	352	4	(D)
Leelanau	7	30	3	13	7	33	4	(D)
Lenawee	22	122	4	(D)	17	74	1	(D)
Livingston	15	153	3	(D)	27	119	4	8
Luce	3	9	-	-	(NA)	(NA)	(NA)	(NA)
Mackinac	3	(D)	-	-	3	4	1	(D)
Macomb	79	1 504	5	(D)	87	1 148	8	81
Manistee	9	57	5	44	13	92	8	85
Mason	6	42	2	(D)	11	87	1	(D)
Mecosta	7	10	2	(D)	14	123	1	(D)
Midland	7	35	-	-	8	41	-	-
Monroe	52	855	5	(D)	61	635	2	(D)
Montcalm	12	171	7	(D)	17	58	4	8
Muskegon	19	123	5	37	14	58	4	3
Newaygo	11	27	4	11	23	119	4	42
Oakland	28	315	5	(D)	47	475	8	161
Oceana	15	146	2	(D)	16	78	4	41
Ogemaw	4	20	1	(D)	4	7	-	-
Ontonagon	4	4	2	(D)	3	(D)	-	-
Osceola	4	9	-	-	(NA)	(NA)	(NA)	(NA)
Oscoda	3	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Ottawa	57	393	26	230	85	599	27	133
Presque Isle	7	12	1	(D)	(NA)	(NA)	(NA)	(NA)
Saginaw	31	232	1	(D)	35	265	5	33
St. Clair	30	290	-	-	43	298	1	(D)
St. Joseph	15	80	9	62	24	(D)	8	(D)
Sanilac	16	77	5	38	12	19	4	(D)
Schoolcraft	6	16	-	-	(NA)	(NA)	(NA)	(NA)
Shiawassee	18	87	3	(D)	13	36	-	-
Tuscola	18	129	2	(D)	22	100	6	34
Van Buren	33	(D)	9	(D)	56	272	4	13
Washtenaw	27	700	10	417	47	1 096	12	631
Wayne	33	938	5	145	41	1 342	3	39
Wexford	4	11	-	-	3	12	-	-
All other counties	20	113	2	(D)	(NA)	(NA)	(NA)	(NA)
TOMATOES								
State Total								
Michigan	820	9 136	239	2 557	1 020	12 657	221	3 217
Counties								
Allegan	10	23	7	8	18	40	7	21
Alpena	7	7	1	(D)	(NA)	(NA)	(NA)	(NA)
Antrim	4	2	3	2	4	(D)	1	(D)
Arenac	11	29	-	-	4	6	-	-
Barry	4	1	2	(D)	8	7	2	(D)
Bay	51	348	9	24	48	582	1	(D)
Benzie	3	(D)	2	(D)	(NA)	(NA)	(NA)	(NA)
Berrien	141	2 758	52	988	200	4 158	47	1 043
Branch	8	284	7	284	10	107	4	104
Cass	19	403	6	256	24	718	12	392

Table 27. **Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
TOMATOES—Con.								
Counties—Con.								
Clinton	5	8	2	(D)	9	13	3	(D)
Eaton	7	24	5	13	6	9	2	(D)
Emmet	5	9	2	(D)	5	9	1	(D)
Genesee	12	103	2	(D)	21	66	2	(D)
Gogebic	3	(Z)	2	(D)	(NA)	(NA)	(NA)	(NA)
Grand Traverse	6	18	3	(D)	9	8	3	3
Gratiot	8	21	1	(D)	7	10	4	1
Hillsdale	4	(D)	4	(D)	8	197	3	196
Ingham	8	57	3	(D)	11	61	3	(D)
Ionia	6	10	1	(D)	7	6	-	-
Iosco	3	4	-	-	(NA)	(NA)	(NA)	(NA)
Isabella	3	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Jackson	10	38	4	6	24	216	8	(D)
Kalamazoo	11	9	5	3	12	9	2	(D)
Kent	32	98	12	20	28	29	9	9
Lapeer	17	38	7	9	12	12	3	(D)
Leelanau	3	(D)	1	(D)	5	5	2	(D)
Lenawee	50	2 284	4	(D)	50	2 043	2	(D)
Livingston	12	18	3	3	14	9	6	6
Macomb	66	196	9	28	79	235	7	18
Manistee	7	26	5	25	4	9	2	(D)
Mason	4	5	1	(D)	3	(D)	-	-
Midland	3	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Monroe	60	1 391	3	(D)	79	2 049	6	218
Montcalm	3	(D)	1	(D)	4	2	3	(D)
Muskegon	5	6	2	(D)	7	3	3	(D)
Oakland	16	69	8	(D)	26	24	9	13
Oceana	6	3	2	(D)	4	3	3	2
Ottawa	26	49	12	11	39	112	18	36
Presque Isle	3	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Saginaw	22	172	3	(D)	32	600	5	(D)
St. Clair	12	25	-	-	28	72	1	(D)
St. Joseph	11	18	6	6	5	1	2	(D)
Sanilac	6	9	2	(D)	5	2	-	-
Shiawassee	7	6	2	(D)	6	7	-	-
Tuscola	7	11	2	(D)	6	9	1	(D)
Van Buren	29	301	7	(D)	40	836	14	728
Washtenaw	18	40	10	28	27	209	6	(D)
Wayne	21	48	5	13	42	107	5	15
All other counties	21	21	6	4	(NA)	(NA)	(NA)	(NA)
TURNIPS								
State Total								
Michigan	35	370	12	220	53	253	5	24
Counties								
Kent	3	(D)	1	(D)	4	(D)	1	(D)
Macomb	7	54	2	(D)	16	96	-	-
Monroe	3	15	-	-	3	(D)	-	-
Newaygo	3	80	1	(D)	(NA)	(NA)	(NA)	(NA)
Ottawa	3	(D)	3	(D)	5	18	-	-
Van Buren	4	5	1	(D)	5	7	-	-
All other counties	12	44	4	28	(NA)	(NA)	(NA)	(NA)
TURNIP GREENS								
State Total								
Michigan	46	264	13	84	58	289	18	92
Counties								
Genesee	3	6	-	-	3	(D)	-	-
Kent	4	35	4	35	4	(D)	4	(D)
Macomb	18	89	5	36	24	147	7	44
All other counties	21	135	4	13	(NA)	(NA)	(NA)	(NA)
MIXED VEGETABLES								
State Total								
Michigan	52	127	15	47	83	456	20	141

Table 27. **Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
WATERMELONS								
State Total								
Michigan	138	261	45	94	101	125	22	28
Counties								
Allegan	3	(D)	2	(D)	(NA)	(NA)	(NA)	(NA)
Bay	11	48	3	(D)	5	11	1	(D)
Berrien	10	22	4	12	(NA)	(NA)	(NA)	(NA)
Branch	3	(D)	3	(D)	3	3	1	(D)
Gratiot	3	3	-	-	3	6	-	-
Jackson	5	10	-	-	8	(D)	-	-
Kalamazoo	3	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Kent	4	4	3	3	(NA)	(NA)	(NA)	(NA)
Lenawee	11	11	4	(D)	3	(D)	-	-
Livingston	6	4	3	(D)	(NA)	(NA)	(NA)	(NA)
Macomb	14	23	3	(D)	12	24	-	-
Monroe	9	10	1	(D)	7	8	-	-
Oakland	3	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Ottawa	10	8	5	3	13	8	8	6
Saginaw	4	7	-	-	5	4	1	(D)
Van Buren	5	7	-	-	(NA)	(NA)	(NA)	(NA)
Washtenaw	3	1	-	-	7	12	3	6
Wayne	5	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
All other counties	26	31	11	6	(NA)	(NA)	(NA)	(NA)
OTHER VEGETABLES								
State Total								
Michigan	77	417	26	174	55	294	11	42
Counties								
Berrien	6	9	4	7	5	9	-	-
Kent	8	98	3	(D)	5	(D)	2	(D)
Macomb	6	12	1	(D)	9	17	1	(D)
Monroe	6	22	-	-	(NA)	(NA)	(NA)	(NA)
Newaygo	3	90	1	(D)	3	(D)	2	(D)
Ottawa	10	29	8	24	(NA)	(NA)	(NA)	(NA)
Saginaw	4	(D)	2	(D)	(NA)	(NA)	(NA)	(NA)
Van Buren	3	(D)	1	(D)	3	(D)	1	(D)
Washtenaw	3	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
All other counties	28	122	5	14	(NA)	(NA)	(NA)	(NA)

Table 28. **Fruits and Nuts: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total			Trees or vines not of bearing age		Trees or vines of bearing age		Harvested	
	Farms	Acres	Trees or vines	Farms	Number	Farms	Number	Farms	Pounds
LAND IN ORCHARDS									
State Total									
Michigan 1987	3 791	161 567	(X)	(X)	(X)	(X)	(X)	(X)	(X)
1982	4 280	165 238	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Counties, 1987									
Alcona	10	30	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Alger	3	(D)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Allegan	130	4 628	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Alpena	17	50	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Antrim	66	4 752	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Arenac	8	75	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Baraga	4	19	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Barry	22	92	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Bay	26	81	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Benzie	71	4 219	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Berrien	687	24 197	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Branch	15	286	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Calhoun	19	382	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Cass	52	3 117	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Charlevoix	24	793	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Cheboygan	10	38	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Chippewa	4	7	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Clare	8	20	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Clinton	40	412	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Delta	18	96	(X)	(X)	(X)	(X)	(X)	(X)	(X)

Table 28. **Fruits and Nuts: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total			Trees or vines not of bearing age		Trees or vines of bearing age		Harvested	
	Farms	Acres	Trees or vines	Farms	Number	Farms	Number	Farms	Pounds
LAND IN ORCHARDS—Con.									
Counties, 1987—Con.									
Dickinson	3	4	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Eaton	27	171	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Emmet	9	46	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Genesee	39	627	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Gladwin	4	(D)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Gogebic	3	(D)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Grand Traverse	210	12 240	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Gratiot	12	172	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Hillsdale	17	278	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Houghton	6	10	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Huron	10	35	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Ingham	37	344	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Ionia	44	2 520	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Iosco	6	37	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Isabella	8	96	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Jackson	37	593	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Kalamazoo	62	1 622	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Kent	257	16 332	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Lake	7	14	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Lapeer	47	757	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Leelanau	258	15 888	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Lenawee	43	696	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Livingston	31	553	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Luce	3	7	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Macomb	48	1 548	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Manistee	85	5 161	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Marquette	9	66	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Mason	65	5 732	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Mecosta	15	356	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Menominee	12	50	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Midland	9	28	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Missaukee	3	2	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Monroe	57	293	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Montcalm	23	1 119	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Montmorency	4	7	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Muskegon	33	3 928	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Newaygo	38	2 413	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Oakland	33	523	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Oceana	214	15 683	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Ogemaw	6	31	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Ontonagon	10	31	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Osceola	3	10	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Oscoda	3	4	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Ottawa	101	6 804	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Presque Isle	10	26	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Saginaw	30	147	(X)	(X)	(X)	(X)	(X)	(X)	(X)
St. Clair	27	278	(X)	(X)	(X)	(X)	(X)	(X)	(X)
St. Joseph	11	258	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Sanilac	28	329	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Shiawassee	13	127	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Tuscola	19	372	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Van Buren	373	18 663	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Washtenaw	50	826	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Wayne	29	166	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Wexford	6	82	(X)	(X)	(X)	(X)	(X)	(X)	(X)
All other counties	8	85	(X)	(X)	(X)	(X)	(X)	(X)	(X)
APPLES									
State Total									
Michigan 1987	2 516	73 244	6 574 958	1 453	1 401 081	2 318	5 173 877	1 954	918 227 402
1982	2 788	69 715	5 592 196	1 599	1 323 923	2 499	4 268 273	2 099	916 246 739
Counties, 1987									
Alcona	9	27	1 072	8	743	7	329	4	(D)
Alger	3	(D)	(D)	1	(D)	2	(D)	2	(D)
Allegan	80	2 226	192 197	47	45 265	87	146 932	73	27 408 573
Alpena	17	39	4 203	13	2 140	11	2 063	5	136 380
Antrim	36	708	72 810	19	13 761	34	59 049	31	6 155 506
Arenac	8	62	1 652	7	372	5	1 280	3	(D)
Baraga	4	19	298	-	-	4	298	1	(D)
Barry	16	57	2 435	13	562	15	1 873	10	76 880
Bay	21	66	5 938	14	2 490	20	3 448	13	131 027
Benzie	47	1 427	174 760	33	42 899	44	131 861	38	15 177 761
Berrien	329	9 396	750 678	168	141 871	313	608 807	286	124 453 652
Branch	14	253	14 168	9	2 320	13	11 848	11	(D)
Calhoun	19	372	21 635	9	2 667	17	18 968	12	3 396 388
Cass	40	1 515	109 178	23	15 141	39	94 037	33	23 000 438
Charlevoix	16	245	23 919	9	10 505	13	13 414	11	1 960 246
Cheboygan	10	21	1 772	8	1 090	6	682	3	(D)
Chippewa	4	6	150	3	100	3	50	2	(D)
Clare	7	17	642	6	157	5	485	2	(D)
Clinton	37	380	33 794	27	4 333	32	29 461	28	4 183 279
Delta	17	86	11 225	11	3 623	15	7 602	10	335 508

Table 28. **Fruits and Nuts: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total			Trees or vines not of bearing age		Trees or vines of bearing age		Harvested	
	Farms	Acres	Trees or vines	Farms	Number	Farms	Number	Farms	Pounds
APPLES—Con.									
Counties, 1987—Con.									
Dickinson	3	4	51	-	-	3	51	1	(D)
Eaton	24	128	7 911	12	1 444	19	6 467	15	630 458
Emmet	7	41	4 111	5	1 009	7	3 102	3	(D)
Genesee	37	561	38 958	26	10 359	37	28 599	29	3 691 345
Gladwin	4	(D)	(D)	4	(D)	3	1 381	3	81 417
Gogebic	3	(D)	69	3	(D)	3	(D)	2	(D)
Grand Traverse	87	1 531	171 263	47	41 352	81	129 911	75	14 359 265
Gratiot	10	(D)	(D)	4	325	8	(D)	6	(D)
Hillsdale	17	260	23 267	14	6 641	14	16 626	10	2 218 763
Houghton	6	10	298	3	(D)	6	(D)	2	(D)
Huron	10	27	2 143	4	33	10	2 110	9	242 993
Ingham	33	307	34 723	24	11 932	29	22 791	24	4 374 726
Ionia	43	2 342	174 189	27	38 192	43	135 997	40	29 995 225
Iosco	6	(D)	2 793	4	785	5	2 008	3	(D)
Isabella	8	90	5 398	3	1 456	8	3 942	5	306 200
Jackson	33	497	17 556	18	5 122	27	12 434	24	3 052 261
Kalamazoo	36	668	70 168	26	34 125	29	36 043	24	8 005 128
Kent	235	14 197	1 360 771	151	342 115	224	1 018 656	204	194 359 692
Lake	7	10	683	3	(D)	7	(D)	2	(D)
Lapeer	38	607	38 502	22	4 462	38	34 040	26	7 529 880
Leelanau	88	1 923	221 706	54	44 894	74	176 812	66	15 903 840
Lenawee	36	429	38 602	20	13 853	33	24 749	29	3 727 787
Livingston	30	484	68 055	13	14 340	27	53 715	22	4 859 256
Luce	3	7	322	2	(D)	2	(D)	-	-
Macomb	47	1 203	119 396	23	18 177	44	101 219	38	18 485 824
Manistee	51	2 453	224 311	31	40 082	47	184 229	39	26 826 897
Marquette	9	60	4 946	8	2 709	9	2 237	6	(D)
Mason	58	1 896	170 980	24	23 481	56	147 499	54	26 439 238
Mecosta	13	171	14 395	10	1 041	11	13 354	9	2 391 196
Menominee	8	27	1 586	5	303	7	1 283	4	3 520
Midland	9	(D)	1 416	5	410	8	1 006	6	56 892
Missaukee	3	(D)	112	3	(D)	2	(D)	-	-
Monroe	47	239	19 096	27	3 845	45	15 251	33	1 889 045
Montcalm	23	1 033	117 007	15	42 241	21	74 766	19	10 965 856
Montmorency	4	6	255	2	(D)	4	(D)	2	(D)
Muskegon	31	2 618	208 555	18	28 303	30	180 252	28	37 170 619
Newaygo	36	1 819	251 984	19	32 505	34	219 479	32	21 407 060
Oakland	30	471	21 247	15	9 018	28	12 229	20	2 004 411
Oceana	120	3 895	343 489	51	60 576	116	282 913	105	46 535 121
Ogemaw	6	(D)	2 085	6	(D)	6	(D)	4	(D)
Ontonagon	10	29	552	6	(D)	9	(D)	5	(D)
Osceola	3	9	(D)	1	(D)	3	(D)	1	(D)
Oscoda	3	4	127	2	(D)	2	(D)	1	(D)
Ottawa	92	5 832	484 269	66	134 267	86	350 002	78	76 010 588
Presque Isle	10	26	1 265	5	223	10	1 042	6	(D)
Saginaw	26	120	7 239	13	1 397	21	5 842	13	1 054 960
St. Clair	26	235	13 245	19	3 240	22	10 005	19	(D)
St. Joseph	10	(D)	6 847	9	(D)	7	(D)	6	(D)
Sanilac	22	271	23 059	15	8 619	21	14 440	18	1 100 167
Shiawassee	11	69	2 591	6	298	11	2 293	7	125 106
Tuscola	16	261	25 266	10	(D)	14	(D)	13	(D)
Van Buren	167	7 753	700 075	78	106 857	152	593 218	132	125 665 248
Washtenaw	40	714	71 854	19	8 600	37	63 254	30	6 232 790
Wayne	23	127	8 093	12	769	22	7 324	17	1 601 920
Wexford	6	34	(D)	6	(D)	5	(D)	3	(D)
All other counties	8	74	9 742	8	598	8	9 144	4	44 100
APRICOTS									
State Total									
Michigan 1987	136	247	23 875	66	3 515	111	20 360	91	871 112
1982	150	268	23 662	99	10 943	96	12 719	68	496 364
Counties, 1987									
Allegan	6	8	681	3	56	6	625	5	(D)
Antrim	3	(D)	(D)	2	(D)	1	(D)	1	(D)
Berrien	27	(D)	4 085	13	1 499	22	2 586	19	85 256
Clinton	3	1	16	3	(D)	1	(D)	-	-
Eaton	3	1	240	1	(D)	2	(D)	2	(D)
Grand Traverse	6	28	2 682	4	72	6	2 610	4	74 840
Ingham	3	1	25	-	-	3	25	2	(D)
Kent	5	14	(D)	3	(D)	5	764	3	(D)
Leelanau	18	87	8 554	4	270	17	8 284	16	291 676
Manistee	5	4	283	3	177	5	106	5	2 500
Mason	3	(D)	(D)	1	(D)	2	(D)	2	(D)
Oceana	9	23	2 103	2	(D)	9	(D)	9	100 975
St. Joseph	3	2	(D)	2	(D)	1	(D)	-	-
Van Buren	7	(D)	1 575	3	(D)	6	(D)	6	(D)
All other counties	36	19	1 545	21	369	25	1 176	17	60 072

Table 28. **Fruits and Nuts: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total			Trees or vines not of bearing age		Trees or vines of bearing age		Harvested	
	Farms	Acres	Trees or vines	Farms	Number	Farms	Number	Farms	Pounds
CHERRIES, TOTAL (SEE TEXT)									
State Total									
Michigan 1987	1 690	59 741	5 674 833	1 075	1 365 783	1 546	4 309 050	1 316	254 177 979
1982	2 075	65 372	5 768 435	1 426	2 096 455	1 817	3 671 980	1 559	231 363 502
Counties, 1987									
Allegan	55	732	59 423	27	11 663	54	47 760	43	2 608 805
Alpena	6	4	(D)	5	(D)	2	(D)	-	-
Antrim	60	3 917	367 896	44	62 078	58	305 818	52	18 557 753
Arenac	4	5	77	3	(D)	1	(D)	-	-
Barry	8	12	562	5	147	7	415	4	6 277
Bay	3	(Z)	8	3	8	-	-	-	-
Benzie	54	2 589	243 731	36	77 388	52	166 343	48	8 645 421
Berrien	239	4 483	471 709	131	122 373	225	349 336	185	20 347 162
Branch	3	1	(D)	2	(D)	2	(D)	1	(D)
Calhoun	3	1	(D)	2	(D)	3	(D)	2	(D)
Cass	22	622	66 450	10	11 519	21	54 931	20	2 931 868
Charlevoix	12	502	46 106	9	17 084	9	29 022	8	1 429 302
Cheboygan	5	13	1 304	4	(D)	2	(D)	2	(D)
Clinton	7	10	(D)	5	54	5	(D)	4	(D)
Delta	4	6	550	2	(D)	4	(D)	2	(D)
Eaton	7	4	358	6	(D)	2	(D)	2	(D)
Emmet	3	(D)	(D)	2	(D)	1	(D)	1	(D)
Genesee	7	23	1 981	2	(D)	6	(D)	5	23 222
Grand Traverse	192	10 110	915 545	150	194 239	186	721 306	172	37 562 680
Gratiot	4	10	1 290	3	140	4	1 150	3	(D)
Hillsdale	5	(D)	(D)	3	(D)	3	(D)	2	(D)
Ingham	8	10	996	7	(D)	7	(D)	2	(D)
Ionia	7	38	10 691	3	(D)	7	(D)	6	37 523
Jackson	13	54	4 477	7	2 638	10	1 839	9	22 470
Kalamazoo	16	187	19 248	10	6 985	14	12 263	11	893 407
Kent	52	1 277	124 927	24	30 693	45	94 234	36	4 892 642
Lake	3	1	29	2	(D)	3	(D)	1	(D)
Lapeer	20	56	4 885	13	2 113	17	2 752	10	112 065
Leelanau	236	13 082	1 247 200	168	289 702	228	957 498	216	59 430 234
Lenawee	19	204	20 385	15	11 603	12	8 782	9	(D)
Livingston	5	(D)	(D)	5	(D)	3	(D)	2	(D)
Macomb	17	39	2 935	12	1 342	14	1 593	13	60 556
Manistee	59	2 455	199 183	34	42 689	58	156 494	49	8 576 275
Marquette	3	(D)	(D)	1	(D)	2	(D)	-	-
Mason	54	3 024	280 160	37	70 986	51	209 194	47	13 605 473
Mecosta	9	159	13 718	4	(D)	7	(D)	6	297 935
Monroe	15	6	399	9	150	11	249	5	550
Montcalm	5	45	5 521	5	2 569	4	2 952	4	135 000
Muskegon	17	1 074	108 171	11	22 099	16	86 072	16	3 574 596
Newaygo	14	374	39 430	7	4 358	13	35 072	11	2 677 836
Oceana	172	9 676	955 894	112	258 330	169	697 564	146	42 313 844
Ontonagon	3	1	(D)	3	6	2	(D)	-	-
Ottawa	34	602	64 138	21	16 552	32	47 586	25	2 109 925
Saginaw	4	1	22	2	(D)	2	(D)	-	-
St. Clair	8	(D)	(D)	5	(D)	4	(D)	3	(D)
St. Joseph	7	20	(D)	6	(D)	5	(D)	3	(D)
Sanilac	4	17	1 495	1	(D)	3	(D)	3	(D)
Shiawassee	5	(D)	(D)	2	(D)	5	(D)	3	(D)
Tuscola	9	33	(D)	5	(D)	5	(D)	2	(D)
Van Buren	127	4 101	370 810	67	85 070	117	285 740	102	21 527 849
Washtenaw	17	22	2 727	10	(D)	15	(D)	11	93 638
Wayne	4	(D)	(D)	2	(D)	3	(D)	3	(D)
Wexford	3	(D)	(D)	1	(D)	3	(D)	2	(D)
All other counties	18	20	1 787	10	280	12	1 507	5	18 885
SWEET CHERRIES									
State Total									
Michigan 1987	1 006	12 139	1 023 890	526	250 912	872	772 978	739	46 872 246
Counties, 1987									
Allegan	29	58	(D)	13	(D)	28	(D)	18	105 033
Alpena	6	1	59	5	(D)	2	(D)	-	-
Antrim	47	1 217	109 061	24	29 872	46	79 189	40	4 175 406
Arenac	4	2	39	3	(D)	1	(D)	-	-
Barry	4	5	(D)	2	(D)	3	(D)	-	-
Bay	3	(Z)	(D)	3	(D)	-	-	-	-
Benzie	36	436	35 215	16	9 030	34	26 185	32	1 724 127
Berrien	89	248	18 337	31	(D)	77	(D)	55	(D)
Cass	6	23	(D)	4	(D)	5	(D)	3	(D)
Charlevoix	7	69	4 067	4	(D)	6	(D)	5	(D)
Clinton	6	5	(D)	3	16	4	(D)	3	(D)
Delta	3	(D)	(D)	2	(D)	2	(D)	2	(D)
Eaton	4	1	(D)	3	(D)	1	(D)	-	-
Genesee	5	6	(D)	2	(D)	4	(D)	2	(D)
Grand Traverse	154	2 852	234 686	92	49 468	151	185 218	147	(D)
Gratiot	3	6	(D)	2	(D)	3	(D)	3	(D)
Hillsdale	5	2	(D)	3	(D)	3	(D)	2	(D)
Ingham	7	2	(D)	3	(D)	6	112	1	(D)
Ionia	5	4	(D)	2	(D)	5	(D)	3	(D)
Jackson	6	16	1 336	6	(D)	5	(D)	4	9 300

Table 28. **Fruits and Nuts: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total			Trees or vines not of bearing age		Trees or vines of bearing age		Harvested	
	Farms	Acres	Trees or vines	Farms	Number	Farms	Number	Farms	Pounds
SWEET CHERRIES—Con.									
Counties, 1987—Con.									
Kalamazoo	5	3	(D)	2	(D)	4	(D)	4	(D)
Kent	24	196	(D)	9	(D)	21	(D)	16	(D)
Lapeer	12	14	(D)	7	68	8	(D)	3	(D)
Leelanau	202	4 657	(D)	121	(D)	192	(D)	188	(D)
Lenawee	12	38	3 236	8	(D)	5	(D)	5	17 690
Livingston	5	(D)	(D)	5	(D)	2	(D)	2	(D)
Macomb	16	20	1 172	8	(D)	14	(D)	13	37 770
Manistee	34	349	24 562	15	4 139	32	20 423	29	1 064 314
Mason	40	791	(D)	21	(D)	36	(D)	33	(D)
Mecosta	5	(D)	(D)	3	(D)	3	(D)	2	(D)
Monroe	12	4	178	6	82	8	96	2	(D)
Montcalm	4	8	1 400	4	(D)	3	(D)	3	10 000
Muskegon	4	46	3 852	2	(D)	3	(D)	3	96 500
Newaygo	6	10	667	2	(D)	5	(D)	4	36 050
Oceana	67	726	65 150	24	12 002	65	53 148	58	1 571 042
Ontonagon	3	(Z)	6	3	6	-	-	-	-
Ottawa	24	104	(D)	13	4 971	20	(D)	15	(D)
Saginaw	3	(Z)	(D)	1	(D)	2	(D)	-	-
St. Clair	7	(D)	(D)	4	(D)	3	(D)	2	(D)
St. Joseph	5	(D)	(D)	5	(D)	3	(D)	2	(D)
Sanilac	4	15	(D)	1	(D)	3	245	3	(D)
Shiawassee	5	3	(D)	2	(D)	4	57	2	(D)
Tuscola	8	6	(D)	5	(D)	4	(D)	2	(D)
Van Buren	33	96	9 152	13	3 950	25	5 202	18	277 333
Washtenaw	10	2	(D)	5	(D)	8	(D)	5	169
Wayne	3	(D)	(D)	1	(D)	2	(D)	2	(D)
All other counties	21	29	2 793	13	405	11	2 388	3	6 470
TART CHERRIES									
State Total									
Michigan 1987	1 450	47 251	4 622 127	893	1 106 759	1 331	3 515 368	1 119	206 189 922
Counties, 1987									
Allegan	43	664	54 518	21	10 892	42	43 626	36	2 503 772
Alpena	8	3	(D)	5	(D)	1	(D)	-	-
Antrim	54	2 700	258 835	32	32 206	53	226 629	47	14 382 347
Arenac	4	2	38	3	(D)	1	(D)	-	-
Barry	7	7	(D)	3	(D)	6	(D)	4	6 277
Benzie	53	2 151	208 516	35	68 358	51	140 158	48	6 921 294
Berrien	208	4 195	451 358	116	118 345	197	333 013	166	19 687 212
Branch	3	1	36	2	(D)	2	(D)	1	(D)
Cass	20	598	(D)	7	(D)	20	(D)	19	(D)
Charlevoix	11	433	42 039	7	(D)	8	(D)	7	(D)
Cheboygan	4	(D)	(D)	4	(D)	1	(D)	1	(D)
Clinton	5	(D)	(D)	4	36	3	(D)	2	(D)
Delta	3	(D)	(D)	2	(D)	3	(D)	1	(D)
Eaton	6	2	234	5	(D)	2	(D)	2	(D)
Genesee	6	17	(D)	2	(D)	5	468	5	(D)
Grand Traverse	173	7 169	672 715	125	140 776	167	531 939	145	25 512 604
Ingham	7	8	(D)	7	159	5	(D)	1	(D)
Ionia	5	34	(D)	3	(D)	5	2 088	5	(D)
Jackson	13	38	3 141	5	(D)	10	(D)	9	13 170
Kalamazoo	12	164	17 446	8	6 721	10	10 725	6	632 397
Kent	41	1 080	106 588	20	(D)	33	(D)	26	4 293 982
Lake	3	1	(D)	2	(D)	3	(D)	1	(D)
Lapeer	12	18	1 994	8	(D)	7	(D)	3	(D)
Leelanau	209	8 378	849 964	144	187 422	201	662 542	179	37 721 813
Lenawee	13	166	17 149	12	(D)	9	(D)	6	(D)
Livingston	3	(D)	(D)	2	(D)	3	(D)	2	(D)
Macomb	14	19	1 763	10	(D)	12	(D)	11	22 786
Manistee	56	2 107	174 621	31	38 550	52	136 071	43	7 511 961
Mason	49	2 212	208 831	33	57 064	46	151 767	42	10 576 521
Mecosta	7	111	8 910	3	8	5	8 902	5	232 040
Monroe	9	3	221	7	68	7	153	3	(D)
Montcalm	5	37	4 121	4	(D)	4	(D)	4	125 000
Muskegon	15	1 028	104 319	10	(D)	14	(D)	14	3 478 096
Newaygo	12	364	38 763	6	(D)	12	(D)	10	2 641 786
Oceana	162	8 951	890 744	105	246 328	157	644 416	134	40 742 802
Ottawa	22	473	51 872	10	11 581	21	40 291	16	1 918 145
St. Clair	3	(D)	(D)	1	(D)	3	(D)	2	(D)
St. Joseph	6	15	(D)	5	(D)	4	(D)	1	(D)
Shiawassee	4	(D)	(D)	1	(D)	4	(D)	2	(D)
Tuscola	8	(D)	(D)	5	(D)	4	(D)	1	(D)
Van Buren	109	3 948	357 586	56	80 341	102	277 245	89	21 162 921
Washtenaw	12	20	(D)	6	(D)	11	1 629	6	93 469
Wayne	4	4	(D)	2	(D)	3	(D)	3	(D)
Wexford	3	(D)	(D)	-	-	3	(D)	2	(D)
All other counties	26	29	2 609	14	542	19	2 067	9	36 132

Table 28. **Fruits and Nuts: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total			Trees or vines not of bearing age		Trees or vines of bearing age		Harvested	
	Farms	Acres	Trees or vines	Farms	Number	Farms	Number	Farms	Pounds
CHERRIES, NOT SPECIFIED (SEE TEXT)									
State Total									
Michigan 1987	45	351	26 816	29	8 112	36	20 704	29	1 115 811
Counties, 1987									
Berrien	5	38	2 014	2	(D)	4	(D)	3	(D)
Grand Traverse	12	88	8 144	10	3 995	9	4 149	6	(D)
Lapeer	4	24	(D)	3	(D)	4	1 159	4	25 565
Leelanau	3	(D)	(D)	3	(D)	2	(D)	1	(D)
Van Buren	7	57	4 072	4	779	7	3 293	6	87 595
All other counties	14	(D)	9 164	7	956	10	8 208	9	169 699
GRAPES (SEE TEXT) (FRESH WEIGHT)									
State Total									
Michigan 1987	989	11 932	6 040 759	194	221 069	938	5 819 690	762	103 130 824
1982	1 317	12 787	6 468 065	292	293 831	1 232	6 174 254	953	94 866 073
Counties, 1987									
Allegan	22	163	71 918	12	7 560	22	64 358	15	953 920
Arenac	3	(D)	962	1	(D)	2	(D)	-	-
Barry	7	5	2 172	1	(D)	6	(D)	4	(D)
Bay	12	11	3 559	4	94	12	3 465	6	8 038
Benzie	5	(D)	(D)	2	(D)	5	(D)	2	(D)
Berrien	417	5 595	2 821 204	50	118 357	408	2 702 847	368	49 458 523
Branch	3	(Z)	60	1	(D)	2	(D)	1	(D)
Calhoun	3	(D)	(D)	-	-	3	(D)	1	(D)
Cass	15	728	417 458	4	(D)	14	(D)	13	9 269 262
Charlevoix	3	1	333	-	-	3	333	2	(D)
Clare	3	1	(D)	1	(D)	2	(D)	1	(D)
Clinton	12	4	1 146	1	(D)	12	(D)	7	(D)
Eaton	3	(D)	(D)	-	-	3	(D)	3	(D)
Emmet	3	(D)	(D)	1	(D)	2	(D)	-	-
Genesee	7	6	2 173	-	-	7	2 173	3	10 700
Grand Traverse	10	57	29 817	6	(D)	8	(D)	5	(D)
Hillsdale	4	(Z)	130	2	(D)	4	(D)	3	608
Ingham	8	2	888	3	20	7	868	3	300
Ionia	6	18	8 558	2	(D)	6	(D)	4	(D)
Jackson	10	4	871	5	374	9	497	7	4 021
Kalamazoo	32	505	243 703	6	7 610	30	236 093	29	4 932 781
Kent	9	23	8 593	4	(D)	9	(D)	5	40 751
Lake	3	(D)	1 372	1	(D)	2	(D)	-	-
Lapeer	9	7	2 374	3	(D)	7	(D)	4	(D)
Leelanau	12	55	26 638	8	(D)	9	(D)	6	229 625
Lenawee	7	9	4 145	-	-	7	4 145	3	(D)
Livingston	3	(D)	(D)	1	(D)	2	(D)	-	-
Macomb	11	36	9 042	4	1 715	7	7 327	7	102 450
Mason	7	4	(D)	4	162	6	(D)	3	355
Mecosta	8	5	624	2	(D)	7	(D)	5	(D)
Menominee	4	(D)	(D)	-	-	4	(D)	2	(D)
Monroe	15	13	6 553	2	(D)	18	(D)	12	27 604
Oakland	7	(D)	(D)	3	(D)	5	(D)	4	(D)
Oceana	9	30	15 609	6	2 739	8	12 870	6	79 954
Ontonagon	3	(Z)	60	2	(D)	1	(D)	-	-
Ottawa	5	2	901	4	131	5	770	-	-
Saginaw	10	13	3 567	2	(D)	10	(D)	7	(D)
St. Clair	11	8	2 747	7	399	9	2 348	6	3 751
Shiawassee	4	1	438	1	(D)	3	(D)	2	(D)
Tuscola	6	(D)	(D)	2	(D)	5	(D)	5	(D)
Van Buren	199	4 434	2 258 863	20	35 030	198	2 223 833	184	37 627 271
Washtenaw	13	32	15 650	4	(D)	13	(D)	8	(D)
Wayne	10	21	16 591	4	(D)	9	(D)	6	3 182
All other counties	33	23	5 862	8	720	27	5 142	10	11 170
NECTARINES									
State Total									
Michigan 1987	79	137	13 857	41	2 640	61	11 217	51	470 083
1982	63	73	6 631	44	3 398	34	3 233	28	157 713
Counties, 1987									
Allegan	7	4	609	5	(D)	6	(D)	5	23 720
Berrien	24	53	4 445	12	1 260	20	3 185	17	141 929
Eaton	3	(D)	238	2	(D)	1	(D)	1	(D)
Grand Traverse	3	(D)	72	2	(D)	3	(D)	3	5 100
Kent	4	(D)	(D)	1	(D)	3	(D)	3	(D)
Manistee	4	2	61	-	-	4	61	3	(D)
Mason	3	(D)	(D)	-	-	3	(D)	3	(D)
Oceana	3	(D)	600	-	-	3	800	3	(D)
Ottawa	3	1	(D)	3	13	3	(D)	-	-
Van Buren	11	34	3 061	9	909	6	2 152	5	104 692
All other counties	14	9	455	7	128	9	327	8	9 745

Table 28. **Fruits and Nuts: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total			Trees or vines not of bearing age		Trees or vines of bearing age		Harvested	
	Farms	Acres	Trees or vines	Farms	Number	Farms	Number	Farms	Pounds
PEACHES									
State Total									
Michigan 1987	1 210	10 616	1 131 575	550	223 611	1 086	907 964	913	64 202 375
1982	1 355	10 436	1 055 893	885	299 043	1 060	756 850	874	45 232 818
Counties, 1987									
Allegan	75	1 076	101 986	36	21 010	74	80 976	61	5 207 416
Alpena	3	(D)	26	3	26	-	-	-	-
Antrim	19	56	5 667	7	325	18	5 342	14	443 092
Barry	7	5	323	1	(D)	7	(D)	4	(D)
Bay	3	(Z)	30	1	(D)	2	(D)	-	-
Benzie	13	33	4 159	2	(D)	12	(D)	12	148 560
Berrien	283	3 977	439 448	152	92 437	266	347 011	230	29 733 949
Calhoun	3	4	260	1	(D)	2	(D)	2	(D)
Cass	21	142	15 463	6	1 425	20	14 038	18	556 965
Charlevoix	9	26	(D)	5	51	5	(D)	3	(D)
Clinton	16	11	587	10	124	14	463	11	2 410
Eaton	8	13	2 157	4	(D)	5	(D)	5	63 204
Genesee	4	(D)	127	2	(D)	3	(D)	2	(D)
Grand Traverse	31	84	9 159	14	1 681	31	7 478	24	160 844
Hillsdale	8	2	70	6	46	4	24	2	(D)
Ingham	14	12	929	7	329	10	600	7	(D)
Ionia	19	119	12 313	7	1 292	18	11 021	11	556 836
Jackson	11	34	3 284	4	(D)	8	(D)	4	41 520
Kalamazoo	15	35	3 576	8	1 357	10	2 219	8	96 334
Kent	74	629	66 770	30	11 171	69	55 599	58	4 445 897
Lapeer	21	32	2 838	12	494	16	2 344	14	76 988
Leelanau	45	119	13 250	13	1 160	41	12 090	35	269 348
Lenawee	11	44	3 031	7	1 281	8	1 750	7	(D)
Livingston	6	(D)	(D)	3	(D)	6	2 076	3	(D)
Macomb	23	226	27 912	13	6 921	21	20 991	20	1 344 105
Manistee	36	192	17 892	7	2 600	36	15 292	30	927 072
Mason	41	489	49 672	14	10 500	40	39 172	37	2 136 618
Mecosta	9	22	2 403	5	1 616	6	787	5	101 564
Monroe	15	17	1 515	9	397	11	1 118	9	38 067
Montcalm	8	29	4 448	5	2 102	6	2 346	5	(D)
Muskegon	10	190	18 510	7	6 708	9	11 802	8	617 950
Newaygo	24	132	15 360	4	(D)	23	(D)	22	1 434 805
Oakland	5	10	1 011	2	(D)	5	(D)	4	46 012
Oceana	100	1 115	116 940	36	21 003	97	95 937	87	6 813 187
Ontonagon	3	(Z)	8	3	8	-	-	-	-
Ottawa	31	281	27 458	20	5 576	27	21 882	22	1 381 095
Saginaw	5	3	175	2	(D)	3	(D)	2	(D)
St. Clair	9	8	663	4	(D)	5	(D)	4	(D)
St. Joseph	5	9	(D)	4	(D)	3	(D)	3	(D)
Sanilac	10	39	2 730	4	605	8	2 125	7	80 800
Shiawassee	7	2	158	3	19	7	139	4	(D)
Tuscola	8	27	2 829	3	6	6	2 823	4	(D)
Van Buren	100	1 287	142 229	40	23 566	94	118 663	84	6 788 121
Washtenaw	16	35	4 975	7	(D)	13	(D)	10	120 618
Wayne	4	(D)	(D)	-	-	4	(D)	3	1 000
All other counties	22	13	883	17	501	13	382	8	4 957
PEARS									
State Total									
Michigan 1987	456	1 554	145 760	140	10 107	383	135 653	319	11 068 648
1982	676	2 286	203 139	217	9 387	560	193 752	440	15 529 264
Counties, 1987									
Allegan	28	233	19 683	2	(D)	28	(D)	25	1 524 712
Alpena	6	4	244	4	(D)	2	(D)	2	(D)
Antrim	8	26	2 076	1	(D)	8	(D)	7	89 154
Arenac	3	(D)	48	3	48	-	-	-	-
Barry	3	(D)	(D)	-	-	3	(D)	2	(D)
Bay	4	(D)	(D)	2	(D)	3	(D)	3	(D)
Benzie	6	22	2 123	-	-	6	2 123	6	(D)
Berrien	62	213	20 482	11	1 152	58	19 330	49	1 527 254
Branch	4	(D)	(D)	2	(D)	2	(D)	1	(D)
Calhoun	3	(D)	(D)	-	-	3	(D)	2	(D)
Cass	4	(D)	(D)	2	(D)	3	(D)	3	(D)
Clinton	4	4	(D)	2	(D)	4	(D)	2	(D)
Genesee	10	17	1 151	4	150	10	1 001	8	68 795
Grand Traverse	9	89	8 592	3	2 159	9	6 433	9	643 320
Hillsdale	8	(D)	(D)	4	(D)	5	(D)	3	(D)
Ingham	8	4	270	5	85	6	185	4	(D)
Jackson	4	2	77	2	(D)	2	(D)	1	(D)
Kalamazoo	5	9	537	4	(D)	1	(D)	1	(D)
Kent	14	55	5 395	4	316	13	5 079	13	585 175
Lapeer	15	39	3 662	7	257	12	3 405	9	451 000
Leelanau	15	51	4 878	2	(D)	14	(D)	12	376 806
Lenawee	10	3	191	6	116	7	75	6	(D)
Livingston	6	8	437	2	(D)	5	(D)	3	(D)
Macomb	17	23	1 879	8	663	14	1 216	12	157 194
Manistee	8	10	984	6	(D)	4	(D)	4	16 612
Mason	16	95	8 415	2	(D)	15	(D)	15	1 132 590
Monroe	13	12	842	4	37	11	805	11	103 344
Montcalm	4	7	916	3	(D)	2	(D)	1	(D)
Newaygo	7	36	2 622	2	(D)	7	(D)	5	156 348
Oakland	4	4	230	-	-	4	230	4	9 118

Table 28. **Fruits and Nuts: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total			Trees or vines not of bearing age		Trees or vines of bearing age		Harvested	
	Farms	Acres	Trees or vines	Farms	Number	Farms	Number	Farms	Pounds
PEARS—Con.									
Counties, 1987—Con.									
Oceana	33	269	30 482	4	287	33	30 195	29	2 066 034
Ottawa	10	24	1 986	2	(D)	9	(D)	7	178 029
Saginaw	4	(D)	(D)	1	(D)	3	(D)	2	(D)
St. Clair	7	11	699	2	(D)	7	(D)	3	(D)
St. Joseph	3	1	32	3	(D)	1	(D)	1	(D)
Tuscola	8	18	(D)	4	(D)	6	334	6	26 397
Van Buren	38	189	19 655	10	1 401	30	18 254	27	1 408 475
Washtenaw	9	8	589	1	(D)	8	(D)	6	(D)
Wayne	3	(D)	28	-	-	3	28	2	(D)
Wexford	3	(D)	(D)	2	(D)	1	(D)	1	(D)
All other counties	32	31	2 893	14	173	21	2 720	12	70 380
PLUMS AND PRUNES (SEE TEXT) (FRESH WEIGHT)									
State Total									
Michigan 1987	543	3 926	385 877	208	70 713	481	315 164	418	21 034 228
1982	749	4 159	387 558	334	89 441	626	298 117	545	16 347 044
Counties, 1987									
Allegan	26	170	15 998	13	3 695	22	12 303	19	769 290
Alpena	3	1	12	3	12	-	-	-	-
Antrim	8	38	3 815	1	(D)	8	(D)	7	163 663
Arenac	3	(D)	(D)	3	(D)	-	-	-	-
Barry	3	(D)	(D)	-	-	3	(D)	1	(D)
Benzie	12	117	12 956	4	(D)	11	(D)	11	815 730
Berrien	98	435	44 679	29	8 449	93	36 230	84	1 514 747
Branch	3	(D)	(D)	2	(D)	1	(D)	-	-
Cass	11	102	12 549	7	3 994	10	8 555	10	282 570
Charlevoix	3	(D)	(D)	1	(D)	2	(D)	2	(D)
Cheboygan	3	(D)	(D)	3	(D)	2	(D)	2	(D)
Clinton	6	2	182	2	(D)	5	(D)	4	100
Genesee	4	11	1 040	3	(D)	4	(D)	3	(D)
Grand Traverse	35	340	32 622	12	5 185	34	27 437	31	1 422 006
Hillsdale	5	2	195	1	(D)	5	(D)	3	(D)
Ingham	4	2	(D)	2	(D)	4	(D)	3	(D)
Kalamazoo	5	(D)	1 495	3	(D)	3	(D)	1	(D)
Kent	22	124	14 422	4	(D)	21	(D)	17	615 840
Lapeer	10	13	930	5	(D)	7	(D)	6	13 111
Leelanau	48	569	55 604	18	10 249	44	45 355	43	2 994 740
Livingston	5	(D)	(D)	3	(D)	4	(D)	1	(D)
Macomb	8	(D)	1 350	4	288	7	1 062	6	72 250
Manistee	13	45	3 158	4	654	12	2 504	9	116 301
Mason	16	208	22 401	3	(D)	15	(D)	15	988 970
Monroe	7	3	149	3	(D)	4	(D)	2	(D)
Muskegon	3	(D)	(D)	1	(D)	2	(D)	2	(D)
Newaygo	9	51	6 982	4	(D)	6	(D)	6	277 281
Oceana	49	666	63 251	19	9 507	49	53 744	48	3 687 228
Ottawa	11	61	6 125	3	(D)	10	(D)	7	225 220
Tuscola	7	12	908	3	(D)	6	(D)	5	(D)
Van Buren	61	836	79 311	25	16 920	55	62 391	53	6 604 168
Washtenaw	5	4	376	-	-	5	376	3	(D)
All other counties	37	22	1 743	20	397	27	1 346	14	58 863

Table 29. **Berries Harvested for Sale: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982			
	Harvested			Irrigated		Harvested			Irrigated
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms
BERRIES									
State Total									
Michigan	1 427	17 540	(X)	658	8 483	1 684	15 608	(X)	650
Counties									
Alger	3	10	(X)	3	10	4	22	(X)	4
Allegan	129	2 204	(X)	44	904	123	1 740	(X)	27
Alpena	10	83	(X)	9	74	18	157	(X)	8
Antrim	8	69	(X)	6	63	10	31	(X)	5
Arenac	5	16	(X)	2	(D)	(NA)	(NA)	(X)	(NA)
Barry	8	22	(X)	3	(D)	12	37	(X)	4
Bay	6	20	(X)	3	15	11	11	(X)	4
Benzie	13	20	(X)	6	12	10	40	(X)	6
Berrien	192	1 720	(X)	75	648	231	1 635	(X)	67
Branch	12	34	(X)	9	34	13	28	(X)	5
Calhoun	3	12	(X)	2	(D)	15	34	(X)	5
Cass	10	61	(X)	5	(D)	14	48	(X)	9
Charlevoix	7	12	(X)	5	10	8	12	(X)	6
Cheboygan	9	21	(X)	3	(D)	9	26	(X)	6
Chippewa	4	39	(X)	3	38	3	18	(X)	2
Clinton	9	29	(X)	5	(D)	19	53	(X)	6
Delta	7	19	(X)	7	19	8	55	(X)	6
Eaton	13	43	(X)	11	33	15	52	(X)	10
Emmet	5	16	(X)	2	(D)	6	9	(X)	4
Genesee	20	175	(X)	13	144	26	217	(X)	13
Gladwin	4	(D)	(X)	1	(D)	(NA)	(NA)	(X)	(NA)
Grand Traverse	14	33	(X)	7	16	13	(D)	(X)	7
Gratiot	8	21	(X)	5	7	14	34	(X)	6
Hillsdale	11	25	(X)	6	19	13	40	(X)	4
Houghton	28	96	(X)	9	32	33	92	(X)	14
Huron	6	10	(X)	4	8	3	6	(X)	3
Ingham	11	49	(X)	4	(D)	20	95	(X)	10
Ionia	9	25	(X)	6	19	15	32	(X)	2
Iosco	4	15	(X)	3	(D)	4	12	(X)	2
Isabella	5	15	(X)	2	(D)	3	12	(X)	1
Jackson	11	26	(X)	6	22	23	48	(X)	4
Kalamazoo	21	101	(X)	9	37	18	94	(X)	7
Kalkaska	4	9	(X)	4	9	(NA)	(NA)	(X)	(NA)
Kent	34	234	(X)	20	118	38	189	(X)	21
Lapeer	17	242	(X)	7	69	15	179	(X)	8
Leelanau	19	213	(X)	14	206	30	226	(X)	25
Lenawee	18	45	(X)	6	31	20	51	(X)	10
Livingston	14	89	(X)	7	61	21	82	(X)	11
Macomb	21	122	(X)	6	50	27	96	(X)	4
Manistee	27	232	(X)	25	231	26	263	(X)	24
Mason	10	46	(X)	4	45	14	47	(X)	6
Mecosta	10	25	(X)	3	16	8	(D)	(X)	4
Midland	4	(D)	(X)	2	(D)	6	14	(X)	3
Monroe	15	116	(X)	7	69	22	(D)	(X)	3
Montcalm	15	29	(X)	10	25	17	29	(X)	10
Muskegon	43	805	(X)	16	408	42	715	(X)	9
Newaygo	10	105	(X)	5	46	11	67	(X)	4
Oakland	15	89	(X)	12	73	27	125	(X)	17
Oceana	20	68	(X)	7	12	18	107	(X)	9
Ottawa	148	4 503	(X)	85	2 204	171	3 606	(X)	69
Presque Isle	5	13	(X)	4	12	3	1	(X)	-
Saginaw	20	137	(X)	9	31	34	280	(X)	15
St. Clair	8	30	(X)	4	7	13	68	(X)	6
St. Joseph	12	31	(X)	6	24	11	27	(X)	7
Sanilac	11	83	(X)	8	69	18	29	(X)	8
Schoolcraft	7	14	(X)	2	(D)	5	10	(X)	1
Shiawassee	8	8	(X)	2	(D)	13	22	(X)	5
Tuscola	8	52	(X)	1	(D)	9	60	(X)	6
Van Buren	246	4 826	(X)	74	2 067	246	4 054	(X)	55
Washtenaw	19	182	(X)	12	148	26	188	(X)	14
Wayne	14	95	(X)	7	31	23	78	(X)	11
All other counties	20	45	(X)	11	37	(NA)	(NA)	(X)	(NA)
BLACKBERRIES (POUNDS)									
State Total									
Michigan	47	48	78 978	13	(D)	41	56	73 889	8
TAME BLUEBERRIES (POUNDS)									
State Total									
Michigan	711	13 712	48 045 132	257	5 682	681	11 079	36 356 998	143

Table 29. **Berries Harvested for Sale: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
TAME BLUEBERRIES (POUNDS)—Con.										
Counties										
Allegan	112	2 133	7 284 973	36	865	99	1 679	6 000 298	13	335
Barry	4	9	25 190	2	(D)	3	(D)	(D)	1	(D)
Benzie	5	8	12 500	2	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Berrien	98	1 069	3 471 914	23	209	110	880	2 715 659	12	100
Cass	6	20	(D)	4	(D)	5	(D)	(D)	2	(D)
Eaton	3	(D)	(D)	2	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Genesee	6	67	234 406	4	54	6	58	216 850	3	33
Grand Traverse	4	10	27 000	2	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Gratiot	4	(D)	22 460	3	(D)	3	(D)	(D)	1	(D)
Houghton	4	(D)	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Ingham	3	(D)	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Kalamazoo	5	47	46 400	-	-	3	27	(D)	-	-
Kent	8	(D)	218 373	5	39	3	19	58 080	2	(D)
Lapeer	3	(D)	(D)	-	-	3	(D)	(D)	1	(D)
Mason	3	(D)	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Montcalm	7	18	23 887	6	18	6	13	42 759	5	12
Muskegon	38	797	3 020 008	14	(D)	35	700	1 726 015	7	217
Newaygo	4	86	324 000	2	(D)	3	(D)	(D)	-	-
Oceana	4	26	(D)	-	-	5	64	143 841	2	(D)
Ottawa	132	4 464	16 933 601	73	2 172	136	3 527	12 347 728	47	1 401
Saginaw	7	102	150 015	3	17	13	161	294 125	6	67
Sanilac	5	45	(D)	5	45	(NA)	(NA)	(NA)	(NA)	(NA)
Tuscola	4	29	42 086	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Van Buren	220	4 422	15 460 240	55	1 696	204	3 591	11 962 283	30	766
All other counties	22	89	210 080	13	55	(NA)	(NA)	(NA)	(NA)	(NA)
RASPBERRIES (POUNDS)										
State Total										
Michigan	375	861	1 393 880	162	428	456	828	1 126 091	152	339
Counties										
Allegan	8	13	11 150	2	(D)	11	(D)	11 841	4	4
Alpena	3	11	(D)	1	(D)	10	51	77 331	-	-
Antrim	5	40	62 310	3	(D)	5	23	(D)	2	(D)
Barry	3	(D)	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Benzie	8	10	14 040	5	6	4	11	(D)	1	(D)
Berrien	63	170	266 746	21	(D)	70	152	226 736	9	(D)
Branch	5	1	3 200	2	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Cass	4	(D)	7 938	3	(D)	7	(D)	(D)	6	9
Charlevoix	3	5	3 289	2	(D)	5	(D)	3 194	4	(D)
Cheboygan	6	5	6 175	2	(D)	6	6	4 459	4	6
Delta	4	3	3 490	4	3	3	(D)	(D)	1	(D)
Eaton	5	15	15 688	3	(D)	7	(D)	39 360	5	(D)
Emmet	3	9	(D)	1	(D)	4	2	(D)	3	(D)
Genesee	9	(D)	24 815	5	11	11	(D)	37 575	3	4
Grand Traverse	9	14	17 618	6	8	7	7	2 963	2	(D)
Hillsdale	6	(D)	(D)	1	(D)	4	7	4 400	-	-
Houghton	11	16	18 841	2	(D)	15	(D)	16 590	4	(D)
Ingham	7	7	(D)	2	(D)	15	16	17 370	6	12
Ionia	4	(D)	1 950	2	(D)	10	(D)	11 137	-	-
Iosco	3	2	(D)	2	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Jackson	4	(D)	2 398	1	(D)	10	4	2 995	-	-
Kalamazoo	7	8	4 677	-	-	8	11	10 170	2	(D)
Kent	13	80	209 495	7	(D)	10	(D)	12 600	5	(D)
Lapeer	8	(D)	35 720	2	(D)	8	(D)	(D)	6	16
Leelanau	7	6	4 055	2	(D)	6	4	2 510	5	3
Lenawee	4	4	6 250	1	(D)	5	(D)	5 648	2	(D)
Livingston	8	46	(D)	3	(D)	12	29	46 670	5	(D)
Macomb	9	21	13 039	3	(D)	9	18	13 566	-	-
Manistee	7	(D)	(D)	6	(D)	5	(D)	(D)	4	(D)
Mason	5	(D)	530	-	-	4	(D)	3 105	1	(D)
Mecosta	3	(D)	(D)	1	(D)	4	3	2 090	1	(D)
Monroe	11	(D)	25 758	4	(D)	13	32	22 235	2	(D)
Montcalm	5	(D)	3 191	2	(D)	5	5	4 248	3	(D)
Muskegon	3	(D)	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Oakland	5	(D)	(D)	3	(D)	11	16	(D)	6	15
Oceana	11	14	10 334	3	2	7	8	3 640	2	(D)
Ottawa	11	(D)	9 344	8	(D)	14	(D)	10 211	7	(D)
Presque Isle	3	2	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Saginaw	5	(D)	1 359	3	(D)	8	16	16 625	4	3
St. Clair	3	(D)	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
St. Joseph	5	(D)	(D)	3	(D)	3	(D)	2 100	2	(D)
Sanilac	8	(D)	15 600	5	11	(NA)	(NA)	(NA)	(NA)	(NA)
Schoolcraft	3	(D)	(D)	1	(D)	3	(D)	(D)	-	-
Van Buren	16	(D)	196 983	8	(D)	23	49	61 910	6	(D)
Washtenaw	8	(D)	45 681	6	51	6	(D)	(D)	2	(D)
Wayne	10	(D)	16 854	4	(D)	6	(D)	(D)	2	(D)
All other counties	24	28	49 508	13	22	(NA)	(NA)	(NA)	(NA)	(NA)

Table 29. **Berries Harvested for Sale: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
STRAWBERRIES (POUNDS)										
State Total										
Michigan	532	2 911	14 542 849	347	2 360	759	3 639	18 629 702	445	3 048
Counties										
Alger	3	10	41 400	3	10	4	(D)	62 110	4	(D)
Allegan	13	40	203 035	8	(D)	21	40	183 721	12	34
Alpena	8	73	592 337	8	(D)	12	105	513 539	8	94
Antrim	6	(D)	35 976	6	21	6	8	24 600	3	(D)
Arenac	4	(D)	10 000	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Barry	5	7	(D)	3	(D)	10	18	87 357	4	16
Bay	6	(D)	57 950	3	(D)	10	(D)	29 325	3	(D)
Benzie	5	3	7 860	3	(D)	6	22	39 800	5	(D)
Berrien	55	476	2 953 272	43	391	71	571	3 961 685	51	547
Branch	8	33	105 336	8	(D)	11	23	41 975	5	(D)
Cass	4	(D)	(D)	2	(D)	7	20	(D)	3	(D)
Charlevoix	4	7	6 500	[illegible]	(D)	5	(D)	(D)	4	(D)
Cheboygan	6	16	(D)	2	(D)	6	20	22 572	3	19
Chippewa	4	(D)	185 250	3	(D)	3	(D)	(D)	2	(D)
Clinton	7	24	(D)	4	(D)	10	43	141 074	5	(D)
Delta	6	16	79 330	6	16	6	(D)	149 912	6	(D)
Eaton	9	20	57 574	9	16	11	32	152 354	8	24
Emmet	3	7	(D)	2	(D)	4	7	(D)	2	(D)
Genesee	12	88	354 988	9	79	18	136	470 236	11	132
Gladwin	4	(D)	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Gratiot	4	(D)	8 850	2	(D)	8	20	36 454	5	19
Hillsdale	8	19	74 556	5	15	9	33	128 804	4	21
Houghton	19	73	105 959	8	29	21	83	144 106	11	36
Huron	6	(D)	45 500	4	(D)	3	6	33 000	3	6
Ingham	4	(D)	(D)	2	(D)	14	79	114 132	10	77
Ionia	6	22	120 100	4	18	8	20	158 850	2	(D)
Isabella	3	(D)	30 300	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Jackson	6	20	70 587	3	17	10	35	77 980	4	27
Kalamazoo	13	47	132 400	9	37	13	56	244 060	6	(D)
Kalkaska	4	(D)	51 376	4	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Kent	18	97	459 173	11	66	30	159	616 109	18	97
Lapeer	10	61	409 200	7	(D)	8	38	242 041	5	(D)
Leelanau	15	207	1 278 632	13	(D)	25	220	1 682 930	21	198
Lenawee	15	41	101 775	5	(D)	17	45	161 849	8	(D)
Livingston	6	(D)	89 800	4	22	8	31	74 981	7	25
Macomb	16	101	440 624	5	(D)	22	78	410 173	4	45
Manistee	20	211	1 405 610	20	(D)	21	201	1 273 693	20	201
Mason	3	12	(D)	3	(D)	11	36	146 689	5	(D)
Mecosta	7	21	(D)	2	(D)	4	23	(D)	2	(D)
Midland	4	(D)	(D)	2	(D)	3	(D)	(D)	1	(D)
Monroe	12	80	288 567	7	(D)	14	49	296 899	3	(D)
Montcalm	4	(D)	16 168	2	(D)	9	12	(D)	3	(D)
Muskegon	3	(D)	15 111	1	(D)	9	(D)	18 570	4	(D)
Newaygo	6	19	57 587	3	(D)	6	5	(D)	3	(D)
Oakland	12	56	214 019	11	46	19	106	512 483	13	97
Oceana	8	27	115 513	5	10	10	33	94 395	7	33
Ottawa	12	33	119 540	9	28	38	72	277 644	23	47
Presque Isle	3	12	21 000	3	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Saginaw	11	29	72 360	4	11	19	104	173 180	7	52
St. Clair	7	(D)	39 644	3	(D)	7	14	51 350	3	9
St. Joseph	10	24	78 4[illegible]	6	(D)	8	17	90 703	7	(D)
Sanilac	6	19	77 8[illegible]	4	13	16	(D)	89 814	7	(D)
Schoolcraft	5	(D)	54 220	2	(D)	3	(D)	(D)	1	(D)
Shiawassee	8	(D)	32 475	2	(D)	11	21	86 185	4	(D)
Tuscola	4	15	(D)	1	(D)	6	42	361 660	5	(D)
Van Buren	21	331	1 889 187	16	311	27	408	2 724 667	21	327
Washtenaw	15	104	428 807	10	97	23	162	961 238	13	(D)
Wayne	9	78	201 385	4	26	20	69	290 836	9	54
All other counties	17	53	210 305	13	44	(NA)	(NA)	(NA)	(NA)	(NA)

Table 30. **Nursery and Greenhouse Crops, Mushrooms, and Sod Grown for Sale: 1987 and 1982**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales ($1,000)	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales ($1,000)
NURSERY AND GREENHOUSE CROPS (SEE TEXT)								
State Total								
Michigan	1 543	34 111 102	21 873	215 912	1 368	23 821 753	19 300	139 682
Counties								
Allegan	62	3 066 304	587	17 308	50	1 063 443	770	13 619
Alpena	3	(D)	(D)	10	(NA)	(NA)	(NA)	(NA)
Antrim	7	36 180	21	237	7	(D)	(D)	171
Arenac	4	(D)	(D)	35	(NA)	(NA)	(NA)	(NA)
Barry	9	(D)	(D)	284	12	(D)	(D)	183
Bay	20	336 637	120	1 627	14	202 910	108	1 121
Berrien	77	417 166	997	5 890	62	428 714	159	4 869
Branch	12	50 872	684	4 259	13	39 455	476	1 360
Calhoun	18	(D)	(D)	(D)	16	(D)	(D)	3 340
Cass	14	99 662	26	(D)	11	35 456	6	(D)
Charlevoix	7	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Cheboygan	7	98 400	8	310	(NA)	(NA)	(NA)	(NA)
Clare	3	(D)	(D)	(D)	4	(D)	(D)	(D)
Clinton	22	38 346	(D)	1 078	19	(D)	(D)	995
Delta	3	(D)	(D)	64	3	(D)	(D)	(D)
Dickinson	7	(D)	(D)	316	9	11 000	107	200
Eaton	15	(D)	(D)	1 684	12	(D)	(D)	714
Emmet	7	30 804	22	428	11	18 292	30	133
Genesee	38	111 030	533	2 328	30	121 150	621	1 726
Grand Traverse	14	46 276	24	871	12	32 900	75	(D)
Gratiot	9	(D)	(D)	172	10	25 200	41	(D)
Hillsdale	11	227 020	27	(D)	6	(D)	(D)	242
Houghton	5	(D)	(D)	196	4	(D)	(D)	59
Huron	6	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Ingham	25	260 672	1 078	3 243	18	(D)	(D)	1 924
Ionia	13	(D)	(D)	(D)	8	(D)	(D)	(D)
Iosco	3	(D)	(D)	12	(NA)	(NA)	(NA)	(NA)
Isabella	5	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Jackson	21	180 384	98	305	22	98 896	91	345
Kalamazoo	92	5 247 981	217	17 090	86	4 049 551	337	11 417
Kalkaska	5	(D)	(D)	41	(NA)	(NA)	(NA)	(NA)
Kent	71	2 346 598	353	15 946	65	2 897 340	328	9 727
Lapeer	45	491 884	669	6 709	26	621 041	(D)	3 205
Leelanau	9	(D)	(D)	(D)	9	6 200	67	(D)
Lenawee	15	40 890	40	306	16	46 630	63	246
Livingston	45	141 611	351	1 594	32	30 896	295	523
Luce	5	(D)	(D)	177	(NA)	(NA)	(NA)	(NA)
Macomb	115	2 058 869	1 678	11 626	101	1 918 947	1 388	11 139
Manistee	13	24 500	183	710	10	(D)	(D)	305
Marquette	4	(D)	(D)	(D)	4	(D)	(D)	26
Mason	21	42 550	267	983	19	(D)	(D)	(D)
Mecosta	4	(D)	(D)	106	(NA)	(NA)	(NA)	(NA)
Midland	7	(D)	(D)	39	5	(D)	(D)	103
Missaukee	4	(D)	(D)	(D)	3	(D)	(D)	(D)
Monroe	56	1 497 987	586	8 127	58	1 019 298	701	5 131
Montcalm	10	(D)	(D)	441	6	(D)	(D)	(D)
Muskegon	30	894 425	76	3 247	23	452 677	50	(D)
Newaygo	10	9 700	94	374	12	(D)	(D)	(D)
Oakland	75	1 272 310	465	14 420	75	1 082 981	697	9 585
Oceana	21	(D)	(D)	1 041	16	12 000	273	670
Osceola	4	(D)	(D)	41	4	(D)	(D)	56
Ottawa	123	8 520 338	5 007	47 324	117	4 029 420	4 793	26 622
Saginaw	26	310 076	156	1 425	28	206 440	149	1 060
St. Clair	35	399 812	(D)	4 145	31	174 857	416	1 680
St. Joseph	16	16 080	741	1 789	11	(D)	(D)	773
Sanilac	18	36 400	817	2 837	16	31 898	645	1 133
Shiawassee	18	(D)	302	598	14	(D)	(D)	281
Tuscola	5	(D)	(D)	50	4	(D)	(D)	30
Van Buren	46	798 252	457	8 761	34	299 721	425	8 437
Washtenaw	47	691 241	396	3 430	42	1 104 758	264	3 054
Wayne	78	2 500 471	600	13 121	94	1 988 662	573	7 821
Wexford	3	(D)	(D)	(D)	4	-	(D)	(D)
All other counties	20	124 590	164	601	(NA)	(NA)	(NA)	(NA)
NURSERY, FLORICULTURE, VEGETABLE AND FLOWER SEED CROPS, SOD, ETC., GROWN IN THE OPEN, IRRIGATED (SEE TEXT)								
State Total								
Michigan	431	(X)	10 287	(X)	374	(	7 610	(X)

Table 30. **Nursery and Greenhouse Crops, Mushrooms, and Sod Grown for Sale: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales ($1,000)	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales ($1,000)
NURSERY, FLORICULTURE, VEGETABLE AND FLOWER SEED CROPS, SOD, ETC., GROWN IN THE OPEN, IRRIGATED (SEE TEXT)—Con.								
Counties								
Allegan	26	(X)	284	(X)	14	(X)	156	(X)
Antrim	3	(X)	8	(X)	(NA)	(X)	(NA)	(X)
Berrien	20	(X)	380	(X)	23	(X)	355	(X)
Branch	3	(X)	(D)	(X)	5	(X)	392	(X)
Calhoun	4	(X)	(D)	(X)	5	(X)	223	(X)
Cheboygan	4	(X)	(D)	(X)	(NA)	(X)	(NA)	(X)
Clinton	6	(X)	(D)	(X)	7	(X)	(D)	(X)
Dickinson	4	(X)	(D)	(X)	(NA)	(X)	(NA)	(X)
Eaton	3	(X)	(D)	(X)	4	(X)	(D)	(X)
Emmet	5	(X)	22	(X)	6	(X)	26	(X)
Genesee	9	(X)	(D)	(X)	6	(X)	(D)	(X)
Grand Traverse	7	(X)	16	(X)	(NA)	(X)	(NA)	(X)
Ionia	3	(X)	(D)	(X)	(NA)	(X)	(NA)	(X)
Isabella	3	(X)	(D)	(X)	(NA)	(X)	(NA)	(X)
Jackson	3	(X)	(D)	(X)	4	(X)	3	(X)
Kalamazoo	21	(X)	68	(X)	20	(X)	98	(X)
Kent	22	(X)	78	(X)	14	(X)	61	(X)
Lapeer	13	(X)	(D)	(X)	9	(X)	129	(X)
Leelanau	5	(X)	(D)	(X)	5	(X)	10	(X)
Lenawee	8	(X)	19	(X)	4	(X)	17	(X)
Livingston	21	(X)	253	(X)	10	(X)	189	(X)
Macomb	24	(X)	632	(X)	25	(X)	477	(X)
Manistee	4	(X)	(D)	(X)	5	(X)	41	(X)
Mason	10	(X)	77	(X)	11	(X)	54	(X)
Monroe	4	(X)	10	(X)	12	(X)	72	(X)
Montcalm	4	(X)	(D)	(X)	3	(X)	(D)	(X)
Muskegon	7	(X)	24	(X)	(NA)	(X)	(NA)	(X)
Newaygo	5	(X)	(D)	(X)	3	(X)	(D)	(X)
Oakland	22	(X)	185	(X)	24	(X)	221	(X)
Oceana	5	(X)	102	(X)	5	(X)	(D)	(X)
Ottawa	47	(X)	2 556	(X)	40	(X)	2 354	(X)
Saginaw	7	(X)	(D)	(X)	11	(X)	35	(X)
St. Clair	10	(X)	134	(X)	5	(X)	104	(X)
St. Joseph	4	(X)	(D)	(X)	5	(X)	(D)	(X)
Sanilac	7	(X)	(D)	(X)	6	(X)	379	(X)
Shiawassee	4	(X)	(D)	(X)	3	(X)	4	(X)
Van Buren	14	(X)	199	(X)	8	(X)	272	(X)
Washtenaw	11	(X)	171	(X)	12	(X)	129	(X)
Wayne	21	(X)	354	(X)	17	(X)	86	(X)
All other counties	28	(X)	455	(X)	(NA)	(X)	(NA)	(X)
BEDDING PLANTS								
State Total								
Michigan	613	16 333 656	741	65 708	554	12 971 418	409	37 286
Counties								
Allegan	26	389 520	154	3 165	23	218 867	(D)	593
Arenac	3	(D)	-	(D)	(NA)	(NA)	(NA)	(NA)
Barry	5	50 076	-	(D)	4	(D)	(D)	(D)
Bay	12	224 867	(D)	667	6	59 840	(D)	215
Berrien	20	232 846	(D)	531	19	255 701	10	476
Branch	5	23 872	-	86	4	18 415	-	33
Calhoun	4	(D)	(D)	(D)	4	(D)	(D)	(D)
Cass	7	77 932	(D)	254	3	(D)	-	(D)
Charlevoix	3	(D)	(D)	22	(NA)	(NA)	(NA)	(NA)
Clinton	5	10 117	(D)	47	5	9 000	(D)	24
Dickinson	3	(D)	-	(D)	3	5 000	-	34
Emmet	4	(D)	(D)	(D)	7	18 292	-	37
Genesee	10	58 900	-	359	10	65 100	(D)	368
Grand Traverse	6	(D)	(D)	58	3	(D)	-	(D)
Gratiot	4	(D)	-	(D)	(NA)	(NA)	(NA)	(NA)
Hillsdale	6	182 780	(D)	(D)	3	(D)	(D)	(D)
Houghton	3	(D)	-	(D)	(NA)	(NA)	(NA)	(NA)
Ingham	5	176 100	(D)	668	7	178 240	-	560
Ionia	7	20 980	(D)	74	(NA)	(NA)	(NA)	(NA)
Jackson	9	92 894	(D)	274	9	56 096	(D)	134
Kalamazoo	66	4 869 965	78	15 792	58	3 843 751	53	10 116
Kent	27	1 117 610	(D)	4 095	32	1 311 833	(D)	3 374
Lapeer	11	80 924	(D)	272	10	47 041	(D)	100
Leelanau	5	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Lenawee	3	(D)	-	(D)	5	(D)	-	62
Livingston	7	63 355	(D)	296	8	14 596	-	35
Macomb	55	753 539	26	2 305	46	453 334	12	1 409
Manistee	5	(D)	(D)	(D)	4	(D)	(D)	(D)
Mason	6	26 800	-	86	(NA)	(NA)	(NA)	(NA)
Midland	3	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)

Table 30. Nursery and Greenhouse Crops, Mushrooms, and Sod Grown for Sale: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales ($1,000)	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales ($1,000)
BEDDING PLANTS—Con.								
Counties—Con.								
Monroe	30	977 577	52	4 164	30	717 022	6	2 586
Muskegon	20	580 910	(D)	2 066	13	376 877	-	1 535
Oakland	19	661 691	(D)	4 877	22	549 865	(D)	2 200
Oceana	8	5 400	(D)	324	5	(D)	32	55
Ottawa	52	1 542 037	(D)	8 990	50	1 542 340	6	4 387
Saginaw	11	232 316	(D)	658	10	121 000	(D)	303
St. Clair	13	256 820	(D)	630	11	131 457	(D)	399
St. Joseph	6	7 950	-	19	4	(D)	(D)	6
Sanilac	4	23 800	-	164	4	31 898	-	75
Shiawassee	5	18 320	(D)	98	(NA)	(NA)	(NA)	(NA)
Van Buren	14	378 356	(D)	1 035	12	126 877	28	715
Washtenaw	17	483 815	(D)	1 545	20	849 018	(D)	1 503
Wayne	39	1 438 596	(D)	5 963	49	1 091 981	(D)	2 724
All other counties	38	377 902	5	1 271	(NA)	(NA)	(NA)	(NA)
BULBS								
State Total								
Michigan	25	108 610	(D)	1 551	39	123 355	770	2 602
Counties								
Oakland	3	(D)	(D)	9	(NA)	(NA)	(NA)	(NA)
Shiawassee	3	(D)	(D)	9	(NA)	(NA)	(NA)	(NA)
Wayne	3	(D)	-	(D)	3	(D)	-	(D)
All other counties	16	40 210	507	(D)	(NA)	(NA)	(NA)	(NA)
CUT FLOWERS AND CUT FLORIST GREENS								
State Total								
Michigan	153	1 238 314	1 100	12 265	129	1 007 926	559	5 658
Counties								
Allegan	5	(D)	(D)	81	4	(D)	(D)	(D)
Bay	4	(D)	(D)	110	4	(D)	(D)	43
Berrien	11	19 540	11	104	7	-	19	(D)
Branch	4	-	(D)	(D)	8	(D)	363	1 038
Hillsdale	3	-	(D)	10	(NA)	(NA)	(NA)	(NA)
Jackson	3	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Kent	5	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Lapeer	5	(D)	(D)	173	(NA)	(NA)	(NA)	(NA)
Leelanau	3	(D)	(D)	4	(NA)	(NA)	(NA)	(NA)
Livingston	7	(D)	17	50	3	(D)	(D)	(D)
Macomb	16	677 148	46	3 628	12	633 681	4	3 200
Monroe	3	(D)	(D)	(D)	8	7 900	10	23
Muskegon	3	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Oakland	5	(D)	(D)	27	6	(D)	(D)	64
Ottawa	11	(D)	8	(D)	5	(D)	(D)	39
Saginaw	4	-	5	(D)	4	(D)	(D)	57
St. Joseph	3	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Van Buren	6	(D)	(D)	82	3	(D)	(D)	(D)
Washtenaw	7	11 450	(D)	34	9	22 500	(D)	123
Wayne	13	(D)	14	781	7	(D)	(D)	262
All other counties	32	61 268	39	247	(NA)	(NA)	(NA)	(NA)
FOLIAGE AND POTTED FLOWERING PLANTS, TOTAL								
State Total								
Michigan	340	5 622 782	334	33 872	281	4 937 691	481	24 640
Counties								
Allegan	13	98 094	(D)	499	15	120 436	43	959
Bay	7	93 370	(D)	643	4	130 000	(D)	(D)
Berrien	24	129 990	84	761	7	(D)	5	(D)
Branch	3	(D)	-	(D)	3	9 160	-	(D)
Clinton	5	7 140	(D)	46	4	(D)	(D)	9
Eaton	4	68 600	(D)	130	4	(D)	(D)	(D)
Genesee	5	(D)	-	(D)	5	(D)	(D)	(D)
Grand Traverse	4	(D)	(D)	(D)	3	16 400	-	(D)
Hillsdale	4	(D)	-	114	3	(D)	(D)	(D)
Ingham	6	(D)	(D)	(D)	5	45 650	(D)	474

Table 30. Nursery and Greenhouse Crops, Mushrooms, and Sod Grown for Sale: 1987 and 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales ($1,000)	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales ($1,000)
FOLIAGE AND POTTED FLOWERING PLANTS, TOTAL—Con.								
Counties—Con.								
Ionia	3	(D)	-	(D)	3	(D)	(D)	(D)
Jackson	6	36 730	(D)	186	4	(D)	(D)	(D)
Kalamazoo	18	296 516	(D)	732	14	168 500	12	524
Kent	26	1 126 200	41	8 701	20	1 153 526	6	5 460
Lapeer	3	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Livingston	11	48 900	(D)	406	5	(D)	(D)	30
Macomb	26	456 184	(D)	2 326	22	299 150	31	985
Monroe	11	442 010	12	2 467	8	(D)	(D)	1 446
Muskegon	10	69 379	3	247	(NA)	(NA)	(NA)	(NA)
Oakland	18	476 448	2	2 281	19	375 460	9	2 566
Ottawa	28	449 436	101	2 168	26	372 526	(D)	3 328
Saginaw	9	73 520	(D)	290	(NA)	(NA)	(NA)	(NA)
St. Clair	7	(D)	10	(D)	7	(D)	(D)	(D)
St. Joseph	4	(D)	(D)	19	4	(D)	(D)	(D)
Sanilac	4	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Van Buren	9	209 338	(D)	(D)	9	129 444	(D)	(D)
Washtenaw	8	97 750	(D)	398	7	200 000	(D)	464
Wayne	31	825 355	4	4 542	31	730 273	3	3 480
All other counties	33	409 360	9	1 637	(NA)	(NA)	(NA)	(NA)
FOLIAGE PLANTS								
State Total								
Michigan	89	681 061	111	5 569	(NA)	(NA)	(NA)	(NA)
Counties								
Berrien	3	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Clinton	3	4 578	-	(D)	(NA)	(NA)	(NA)	(NA)
Livingston	6	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Macomb	6	23 000	(D)	75	(NA)	(NA)	(NA)	(NA)
Monroe	6	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Muskegon	4	22 166	(D)	70	(NA)	(NA)	(NA)	(NA)
Oakland	8	58 717	-	623	(NA)	(NA)	(NA)	(NA)
Ottawa	8	(D)	(D)	889	(NA)	(NA)	(NA)	(NA)
Saginaw	4	(D)	-	(D)	(NA)	(NA)	(NA)	(NA)
Van Buren	4	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Wayne	10	99 100	(D)	896	(NA)	(NA)	(NA)	(NA)
All other counties	27	197 610	7	1 301	(NA)	(NA)	(NA)	(NA)
POTTED FLOWERING PLANTS								
State Total								
Michigan	209	5 141 721	223	28 302	(NA)	(NA)	(NA)	(NA)
Counties								
Allegan	12	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Bay	6	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Berrien	22	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Branch	3	18 000	-	(D)	(NA)	(NA)	(NA)	(NA)
Clinton	4	2 562	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Eaton	4	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Genesee	4	37 630	-	(D)	(NA)	(NA)	(NA)	(NA)
Grand Traverse	4	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Hillsdale	4	(D)	-	114	(NA)	(NA)	(NA)	(NA)
Ingham	5	(D)	11	(D)	(NA)	(NA)	(NA)	(NA)
Ionia	3	(D)	-	(D)	(NA)	(NA)	(NA)	(NA)
Jackson	6	36 730	(D)	186	(NA)	(NA)	(NA)	(NA)
Kalamazoo	17	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Kent	25	(D)	41	(D)	(NA)	(NA)	(NA)	(NA)
Lapeer	3	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Livingston	7	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Macomb	23	433 184	5	2 253	(NA)	(NA)	(NA)	(NA)
Monroe	7	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Muskegon	9	47 213	(D)	178	(NA)	(NA)	(NA)	(NA)
Oakland	12	419 731	2	1 658	(NA)	(NA)	(NA)	(NA)
Ottawa	22	(D)	(D)	1 279	(NA)	(NA)	(NA)	(NA)
Saginaw	7	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
St. Clair	6	(D)	10	(D)	(NA)	(NA)	(NA)	(NA)
St. Joseph	3	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Sanilac	4	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Van Buren	8	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Washtenaw	8	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Wayne	31	726 255	(D)	3 646	(NA)	(NA)	(NA)	(NA)
All other counties	30	287 970	3	931	(NA)	(NA)	(NA)	(NA)

Table 30. **Nursery and Greenhouse Crops, Mushrooms, and Sod Grown for Sale: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales ($1,000)	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales ($1,000)
MUSHROOMS								
State Total								
Michigan	9	(D)	(X)	(D)	9	1 608 420	(X)	14 970
Counties								
Macomb	4	104 900	(X)	466	5	469 000	(X)	1 911
All other counties	5	(D)	(X)	(D)	(NA)	(NA)	(X)	(NA)
NURSERY CROPS								
State Total								
Michigan	662	7 104 974	12 176	75 248	547	2 444 830	11 407	46 862
Counties								
Allegan	29	158 650	390	2 385	19	(D)	606	1 800
Antrim	4	(D)	21	194	5	(D)	21	(D)
Barry	3	-	(D)	(D)	5	-	8	30
Bay	5	-	50	(D)	4	-	101	181
Berrien	33	(D)	890	4 486	36	55 100	905	2 885
Calhoun	12	(D)	130	280	11	(D)	(D)	(D)
Cass	4	-	(D)	(D)	3	(D)	(D)	(D)
Charlevoix	3	-	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Cheboygan	5	(D)	(D)	46	(NA)	(NA)	(NA)	(NA)
Clare	3	-	(D)	(D)	3	-	(D)	(D)
Clinton	12	6 916	51	138	8	-	42	42
Delta	3	-	5	(D)	(NA)	(NA)	(NA)	(NA)
Dickinson	4	-	(D)	35	5	(D)	(D)	17
Eaton	10	-	(D)	(D)	5	-	27	92
Emmet	3	-	(D)	230	5	-	19	75
Genesee	23	(D)	(D)	934	14	-	80	347
Grand Traverse	7	(D)	21	(D)	7	(D)	75	164
Gratiot	5	-	(D)	42	6	(D)	(D)	70
Hillsdale	4	(D)	24	49	3	-	12	(D)
Huron	4	-	18	(D)	(NA)	(NA)	(NA)	(NA)
Ingham	14	(D)	155	498	4	(D)	(D)	(D)
Ionia	4	-	40	(D)	(NA)	(NA)	(NA)	(NA)
Isabella	3	-	(D)	31	(NA)	(NA)	(NA)	(NA)
Jackson	8	(D)	(D)	328	8	(D)	45	85
Kalamazoo	18	(D)	131	510	17	(D)	239	661
Kalkaska	5	(D)	12	(D)	(NA)	(NA)	(NA)	(NA)
Kent	27	70 986	290	1 318	22	(D)	319	438
Lapeer	25	(D)	177	437	14	-	76	136
Leelanau	5	(D)	5	45	6	-	(D)	(D)
Lenawee	9	(D)	29	97	8	(D)	52	90
Livingston	29	15 000	200	551	17	(D)	100	180
Macomb	28	51 132	318	266	24	(D)	333	2 813
Manistee	7	-	(D)	628	6	-	81	242
Mason	17	(D)	265	849	17	(D)	(D)	449
Mecosta	3	-	20	(D)	(NA)	(NA)	(NA)	(NA)
Midland	3	-	(D)	(D)	4	(D)	(D)	(D)
Missaukee	3	-	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Monroe	22	29 700	476	1 253	24	(D)	483	895
Montcalm	8	(D)	(D)	399	(NA)	(NA)	(NA)	(NA)
Muskegon	6	223 600	67	875	7	(D)	(D)	28
Newaygo	7	(D)	90	355	7	-	105	(D)
Oakland	46	42 421	260	6 756	40	(D)	345	4 006
Oceana	13	(D)	147	676	8	(D)	236	(D)
Osceola	3	-	(D)	19	3	-	(D)	(D)
Ottawa	46	5 976 373	4 770	34 878	41	1 921 244	4 474	18 398
Saginaw	11	(D)	76	396	16	45 140	114	591
St. Clair	15	(D)	626	(D)	12	(D)	262	(D)
St. Joseph	5	-	(D)	66	4	(D)	(D)	(D)
Sanilac	9	(D)	(D)	(D)	8	-	260	262
Shiawassee	9	-	143	195	10	(D)	101	171
Van Buren	21	162 842	389	4 914	13	(D)	307	(D)
Washtenaw	20	-	306	1 308	13	-	187	894
Wayne	15	57 770	89	470	19	32 400	87	262
All other counties	22	-	287	350	(NA)	(NA)	(NA)	(NA)
SOD HARVESTED								
State Total								
Michigan	64	(X)	6 354	9 736	89	(X)	5 628	6 734

Table 30. Nursery and Greenhouse Crops, Mushrooms, and Sod Grown for Sale: 1987 and 1982--Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987				1982			
	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales ($1,000)	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales ($1,000)
SOD HARVESTED—Con.								
Counties								
Clinton	3	(X)	(D)	(D)	(NA)	(X)	(NA)	(NA)
Genesee	4	(X)	(D)	(D)	4	(X)	540	(D)
Ingham	4	(X)	911	1 525	4	(X)	(D)	(D)
Lapeer	3	(X)	(D)	(D)	(NA)	(X)	(NA)	(NA)
Livingston	3	(X)	(D)	(D)	5	(X)	188	274
Macomb	8	(X)	1 278	1 616	10	(X)	1 008	744
Oakland	5	(X)	182	311	8	(X)	331	355
Ottawa	3	(X)	(D)	(D)	3	(X)	56	(D)
St. Clair	3	(X)	(D)	191	5	(X)	145	130
Sanilac	4	(X)	580	1 005	5	(X)	385	795
Wayne	4	(X)	358	1 096	11	(X)	454	538
All other counties	20	(X)	1 176	1 869	(NA)	(X)	(NA)	(NA)
VEGETABLE AND FLOWER SEEDS								
State Total								
Michigan	21	176 923	55	507	27	72 212	31	104
GREENHOUSE VEGETABLES								
State Total								
Michigan	36	343 447	(X)	463	35	653 601	(X)	816
Counties								
Kent	3	(D)	(X)	(D)	8	370 293	(X)	311
Ottawa	7	219 600	(X)	237	7	174 400	(X)	307
All other counties	26	(D)	(X)	(D)	(NA)	(NA)	(X)	(NA)

Table 31. Other Crops: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
CORN CUT FOR DRY FODDER, HOGGED OR GRAZED										
State Total										
Michigan	9	198	(X)	1	(D)	3	96	(X)	-	-
HERBS (POUNDS)										
State Total										
Michigan	21	39	36 500	11	28	8	14	14 492	3	7
MINT FOR OIL (POUNDS OF OIL)										
State Total										
Michigan	54	4 046	98 422	11	925	53	6 012	186 936	7	443
Counties										
Calhoun	3	(D)	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Clinton	19	2 243	48 837	3	570	18	2 463	79 489	2	(D)
Ingham	9	429	10 732	3	(D)	4	250	9 350	1	(D)
Jackson	3	46	1 837	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
St. Joseph	3	52	1 740		-	(NA)	(NA)	(NA)	(NA)	(NA)
Sanilac	5	535	9 660	2	(D)	7	1 586	49 056	2	(D)
Shiawassee	6	241	5 680	1	(D)	13	745	17 860	-	-
All other counties	6	(D)	(D)	(D)	129	(NA)	(NA)	(NA)	(NA)	(NA)

Table 31. **Other Crops: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
OTHER										
State Total										
Michigan	55	236	(X)	9	61	26	87	(X)	3	3
Counties										
Berrien	9	56	(X)	1	(D)	6	33	(X)	1	(D)
Kent	6	19	(X)	-	-	(NA)	(NA)	(X)	(NA)	(NA)
Macomb	4	19	(X)	-	-	3	7	(X)	-	-
Monroe	3	12	(X)	-	-	(NA)	(NA)	(X)	(NA)	(NA)
Ottawa	4	45	(X)	3	(D)	(NA)	(NA)	(X)	(NA)	(NA)
Van Buren	6	20	(X)	2	(D)	4	12	(X)	-	-
All other counties	23	65	(X)	3	7	(NA)	(NA)	(X)	(NA)	(NA)

Table 32. **Farms Operated by Black and Other Races by Value of Sales and Occupation: 1987 and 1982**

[For classification of social and ethnic groups, see text. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Land in farms		Harvested cropland		Market value of agricultural products sold ($1,000)	Farms by value of sales					
						Occupation farming			Occupation other than farming		
	Farms	Acres	Farms	Acres		Less than $2,500	$2,500 to $9,999	$10,000 or more	Less than $2,500	$2,500 to $9,999	$10,000 or more
STATE TOTAL											
Michigan 1987	292	29 628	239	13 019	4 486	27	26	43	92	62	42
1982	308	35 617	259	16 632	5 628	21	47	57	90	61	29
COUNTIES, 1987											
Allegan	10	1 386	6	691	91	1	1	2	4	1	1
Berrien	11	606	10	217	87	-	-	-	4	4	3
Branch	3	166	3	84	12	-	-	-	1	2	-
Cass	18	1 345	14	498	110	3	3	1	7	3	1
Chippewa	4	441	3	169	7	-	1	-	3	-	-
Clinton	7	533	6	260	61	-	-	2	5	-	-
Eaton	7	1 650	6	1 015	128	-	-	2	2	2	1
Genesee	10	465	6	269	30	3	2	-	3	2	-
Hillsdale	7	527	6	177	42	1	-	1	3	-	2
Ingham	3	22	3	18	51	-	-	-	-	1	2
Jackson	10	4 560	6	1 860	859	4	1	1	1	2	1
Kent	7	349	4	216	145	-	-	1	1	3	2
Lapeer	4	346	4	167	66	-	-	1	3	-	-
Livingston	4	87	1	(D)	(D)	2	-	1	-	1	-
Mackinac	3	126	1	(D)	7	-	-	-	3	-	-
Mason	6	627	6	150	41	1	1	-	-	3	1
Monroe	10	727	7	306	68	-	1	1	5	2	1
Montcalm	6	1 997	5	940	278	-	-	5	-	1	-
Oakland	5	171	3	38	17	-	-	-	4	-	1
Oceana	8	651	8	185	83	-	1	-	2	1	4
Ottawa	13	571	10	275	342	1	1	2	3	1	5
Saginaw	10	928	9	624	216	-	-	4	2	4	-
St. Clair	9	(D)	7	283	209	-	2	-	-	2	5
St. Joseph	5	1 514	5	734	112	-	2	1	-	2	-
Shiawassee	4	155	4	75	16	-	-	-	2	2	-
Tuscola	6	(D)	5	318	95	-	-	3	2	1	-
Van Buren	52	2 446	48	872	562	6	9	8	13	12	4
Washtenaw	11	240	7	64	42	1	-	-	6	2	2
Wayne	6	151	4	118	15	1	-	-	2	3	-
All other counties	33	5 461	32	2 375	(D)	3	1	7	11	5	6

Table 33. Farms Operated by Black and Other Races by Tenure: 1987 and 1982

[For classification of social and ethnic groups, see text. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Full owners			Part owners			Tenants		
	Number	Land in farms	Harvested cropland	Number	Land in farms	Harvested cropland	Number	Land in farms	Harvested cropland
STATE TOTAL									
Michigan 1987	222	12 986	4 501	60	15 154	7 641	10	1 488	877
1982	218	20 870	7 472	65	12 469	7 587	25	2 278	1 573
COUNTIES, 1987									
Allegan	5	380	(D)	2	(D)	(D)	3	(D)	(D)
Berrien	10	(D)	(D)	-	-	-	1	(D)	(D)
Branch	3	166	84	-	-	-	-	-	-
Cass	16	(D)	(D)	2	(D)	(D)	-	-	-
Chippewa	4	441	169	-	-	-	-	-	-
Clinton	4	108	(D)	3	425	(D)	-	-	-
Eaton	4	214	17	1	(D)	(D)	2	(D)	(D)
Genesee	8	(D)	(D)	1	(D)	(D)	1	(D)	-
Hillsdale	7	527	177	-	-	-	-	-	-
Jackson	5	176	(D)	5	4 384	(D)	-	-	-
Kent	3	23	-	4	326	216	-	-	-
Livingston	4	87	(D)	-	-	-	-	-	-
Mackinac	3	126	(D)	-	-	-	-	-	-
Mason	5	(D)	(D)	-	-	-	1	(D)	(D)
Monroe	10	727	306	-	-	-	-	-	-
Montcalm	2	(D)	(D)	4	(D)	(D)	-	-	-
Oakland	5	171	38	-	-	-	-	-	-
Oceana	7	(D)	(D)	1	(D)	(D)	-	-	-
Ottawa	10	(D)	107	3	(D)	168	-	-	-
Saginaw	8	(D)	(D)	2	(D)	(D)	-	-	-
St. Clair	6	(D)	112	3	(D)	171	-	-	-
St. Joseph	4	(D)	(D)	1	(D)	(D)	-	-	-
Tuscola	5	(D)	(D)	1	(D)	(D)	-	-	-
Van Buren	43	1 663	453	9	783	419	-	-	-
Washtenaw	8	132	15	3	108	49	-	-	-
Wayne	4	(D)	(D)	2	(D)	(D)	-	-	-
All other counties	29	2 570	879	13	3 172	1 651	2	(D)	(D)

Table 34. Operators by Selected Racial Groups: 1987 and 1982

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	All farms		Farms with sales of $10,000 or more¹	
	Farms	Land in farms	Farms	Land in farms
BLACK				
State Total				
Michigan 1987	171	14 100	46	8 172
1982	185	19 974	53	11 977
Counties, 1987				
Allegan	4	(D)	1	(D)
Berrien	8	457	1	(D)
Cass	17	(D)	2	(D)
Genesee	8	(D)	-	-
Hillsdale	5	(D)	1	(D)
Jackson	4	137	-	-
Kent	5	(D)	1	(D)
Monroe	9	(D)	2	(D)
Oakland	4	(D)	1	(D)
Oceana	3	(D)	3	(D)
Saginaw	6	837	2	(D)
St. Clair	7	(D)	4	(D)
Tuscola	5	(D)	3	(D)
Van Buren	42	1 899	9	885
Washtenaw	7	161	2	(D)
Wayne	6	151	-	-
All other counties	31	5 751	14	4 493
AMERICAN INDIAN				
State Total				
Michigan 1987	58	7 510	17	4 907
1982	73	6 178	17	3 894
ASIAN OR PACIFIC ISLANDER				
State Total				
Michigan 1987	21	5 129	7	(D)
1982	19	5 303	7	909

Table 34. **Operators by Selected Racial Groups: 1987 and 1982**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	All farms		Farms with sales of $10,000 or more[1]	
	Farms	Land in farms	Farms	Land in farms
OTHER RACES (SEE TEXT)				
State Total				
Michigan 1987	42	2 889	15	(D)
1982	31	2 162	9	1 035

[1] Data for 1982 exclude abnormal farms.

Table 35. **Operators of Spanish Origin: 1987 and 1982**

[For classification of Spanish origin, see text. For meaning of abbreviations and symbols, see introductory text]

Geographic area	All farms		Farms with sales of $10,000 or more[1]	
	Farms	Land in farms	Farms	Land in farms
STATE TOTAL				
Michigan 1987	122	17 323	46	10 771
1982	116	14 496	40	8 659
COUNTIES, 1987				
Allegan	7	1 006	2	(D)
Berrien	3	236	3	236
Clinton	4	95	-	-
Huron	3	1 487	3	1 487
Isabella	3	390	2	(D)
Jackson	5	349	-	-
Kent	4	316	1	(D)
Monroe	3	99	1	(D)
Montcalm	4	442	2	(D)
Oakland	5	274	1	(D)
Oceana	5	284	-	-
Ottawa	4	215	2	(D)
Saginaw	5	523	2	(D)
St. Clair	3	2 302	2	(D)
Sanilac	4	252	-	-
Van Buren	10	910	5	(D)
Wayne	4	159	3	(D)
All other counties	46	7 984	17	5 471

[1] Data for 1982 exclude abnormal farms.

Table 36. **Farms With Grazing Permits: 1987**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Land in farms		Farms by land in farms						Source of permits			
	Farms	Acres	Less than 100 acres	100 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more	Forest service	Taylor grazing	Indian land	Other
Michigan	**50**	**13 159**	**16**	**10**	**18**	**6**	**-**	**-**	**8**	**5**	**4**	**38**
Cass	3	160	2	1	-	-	-	-	-	-	1	2
Clinton	3	1 140	-	1	1	1	-	-	-	-	-	3
Eaton	3	239	2	1	-	-	-	-	1	1	1	3
Iron	3	1 015	-	-	3	-	-	-	1	-	-	2
Ottawa	3	306	1	2	-	-	-	-	-	-	-	3
Roscommon	3	260	2	1	-	-	-	-	1	-	-	2
All other counties	32	10 039	9	4	14	5	-	-	5	4	2	23

APPENDIX A.
General Explanation

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DATA COLLECTION

Method of Enumeration

All agriculture censuses beginning with the 1969 census primarily have used mailout/mailback data collection. Direct enumeration methods, however, continue to be used for the agriculture census in Puerto Rico, Guam, the U.S. Virgin Islands, American Samoa, and the Commonwealth of the Northern Mariana Islands.

Mail List

The mail list for the 1987 census was comprised of individuals, businesses, and organizations that could be readily identified as being associated with agriculture. The list was assembled from the records of the 1982 census, administrative records of the Internal Revenue Service (IRS), and the statistical records of the U.S. Department of Agriculture (USDA). In addition, lists of large or specialized operations, such as nurseries and greenhouses, specialty crop farms, poultry farms, fish farms, livestock farms, and cattle feedlot operations, were obtained from State and Federal agencies, trade associations, and similar organizations. Lists of companies having one or more establishments (or locations) producing agricultural products were obtained from the 1982 census and updated using the information from the Standard Statistical Establishment List maintained by the Census Bureau. Exhaustive record linkage, unduplication, and mathematical modeling yielded a final mail list of 4.1 million names and addresses that had a substantial probability of being a farm operation.

Report Forms

In 1987, three different report forms were used—a two-page, a four-page, and a six-page form to minimize the reporting burden, particularly for small farms and places less likely to be farms. The six-page sample form and the four-page nonsample form are the same, except sections 23 through 28 have been added to the sample form to obtain supplemental information from a sample of farms. The information collected in these sections will give the Bureau of the Census a good basis for making estimates of these data for other farms included in the census. The two-page form does not have as many questions or as much detail as the four-page and six-page forms. The four-page form has 11 regional versions and the six-page form has 13 regional versions. Both forms have different crops prelisted. Appendix D contains copies of both the two-page and six-page forms.

The six-page form was mailed to 1,104,000 addressees on the mail list, including all those expected to be large (based on expected sales or acreage) or unique (farms operated by multiestablishment companies or nonprofit organizations), all those in Alaska and Hawaii, and a sample of other addressees. The two-page form was mailed to 906,000 addressees. These were expected to be small farms or less likely to be farms. The four-page form was mailed to the remaining 2,079,000 addressees. Further discussion of the criteria used to determine which form was mailed to an addressee is provided in the Census Sample Design section of appendix C.

Initial Mailing

The report forms were mailed in mid-December 1987 to the approximately 4,089,000 individuals, businesses, and organizations on the mail list. The mail packages included a report form, a cover letter with a description of the purposes and uses of the census on the reverse side, an information sheet containing instructions for completing the form, and a postage-paid return envelope. Additional special instructions were included with report forms sent to grazing associations; feedlot operations; institutional organizations; Indian reservations; firms with multiple farm or ranch operations; and producers of poultry under contract, bees and honey, fish, laboratory animals, and nursery and greenhouse crops.

To provide additional help to farmers in completing their reports, copies of an Agriculture Census Guide booklet were sent to vocational agriculture instructors, USDA county offices of the Agriculture Stabilization and Conservation Service, and the Cooperative Extension Service. The Guide contained descriptions and definitions of various items in more detail than the instructions included with each report form. Representatives of the above agencies graciously consented to assist farmers in completing their report forms.

Followup Procedures

A thank you/reminder card was mailed to those on the mail list in mid-January 1988. Five followup letters, three of which were accompanied by a report form, were sent to nonrespondents at 4-week intervals starting in mid-February and continuing until early June 1988.

Telephone calls were made to all large farms who had not responded. In addition, telephone calls were made to a sample of other nonrespondents in counties that had a response rate of less than 75 percent. A nonresponse adjustment procedure was used to represent the final nonrespondent farms in the census results. A description of this procedure is included in the Census Estimation section of appendix C.

DATA PROCESSING

Selected report forms were reviewed prior to keying the data. These included reports with attached correspondence and reports with remarks or no positive data on the front page.

The data from each report form were subjected to a detailed item-by-item computer edit. The edit performed comprehensive checks for consistency and reasonableness, corrected erroneous or inconsistent data, supplied missing data based on similar farms within the same county, and assigned farm classification codes necessary for tabulating the data. Substantial computer-generated changes to the data were clerically reviewed and verified.

In the computer edit, farms with sales, acreage, or commodities exceeding specified levels were tested for historical comparability. Key items, such as acreage and sales, were compared for substantial changes between 1982 and 1987. Sizeable historical differences were resolved or verified by telephone, if necessary. Respondents who reported sales or acreage above specified levels on nonsample forms were sent correspondence requesting the additional sample data. Prior to publication, tabulated totals were reviewed by statisticians to identify inconsistencies and potential coverage problems. Comparisons were made with previous census data, estimates published by the USDA, and other available data.

MAJOR DATA CHANGES

Prior to each agriculture census, the Census Bureau reviews the content of the census forms to eliminate questions no longer needed and to identify new items necessary to meet user needs and to better describe the agricultural situation in our Nation. Data requests are solicited from farmers, farm organizations, land grant colleges and universities. State and federal agencies, and members of the Census Advisory Committee on Agricultural Statistics. Each agency and organization is asked to identify and justify its specific data needs. The following data inquiries were added to the 1987 report form:

Income from farm-related sources
Acres under the Conservation Reserve Program
Payments received for participation in federal farm programs
Grazing permits by source

Additional data on production expenses were added in 1987:

Repair and maintenance expenses
Cash rent
Property taxes paid
All other production expenses

The following separate data inquiries were eliminated from the 1987 form:

Storage capacity for petroleum products
Number of hired farm and ranch workers
Value of agricultural products sold directly to individuals for human consumption
Source of irrigation water
Tons of commercially mixed feed
Expenditures for coal, wood, and coke
Selected machinery items: automobiles, corn heads for combines, and field forage harvesters
Chinchillas
Worms
Tropical and baitfish

FOLLOW-ON SURVEYS, SPECIAL CENSUSES, AND RELATED PUBLICATIONS

In addition to the 1987 Census of Agriculture for the 50 States, Puerto Rico, Guam, the U.S. Virgin Islands, American Samoa, and the Commonwealth of the Northern Mariana Islands, the census of agriculture program includes the 1988 Farm and Ranch Irrigation Survey, the 1988 Agricultural Economics and Land Ownership Survey, and the 1988 Census of Horticultural Specialties.

The 1988 Farm and Ranch Irrigation Survey provides data on water use by irrigated farms and ranches. Data include: the amount of water applied by crop, method of water distribution, source of water, and energy costs for pumping water. Data from this survey will be published as volume 3, part 1.

The 1988 Agricultural Economics and Land Ownership Survey provides detailed data on debts, expenses, taxes, credits, assets, land ownership, and farm and off-farm income for farm operators. Many of these items, as well as detailed data on landlord characteristics, are being collected from the landlords of the farms involved in the survey. Data from this survey will be published as volume 3, part 2.

The 1988 Census of Horticultural Specialties covers operations growing and selling $2,000 or more of horticultural products such as greenhouse products, outdoor-grown floricultural products, nursery products, mushrooms, and sod. These data will be published as volume 4.

Additional publications of the 1987 Census of Agriculture data include the Agricultural Atlas of the United States (previously called the Graphic Summary), Coverage Evaluation, Ranking of States and Counties, and Government Payments and Market Value of Agricultural Products Sold.

The Agricultural Atlas of the United States presents the Nation's agriculture graphically illustrated by dot and multicolor pattern maps. The maps provide displays on size and type of farm, land use, farm tenure, market value of products sold, crops harvested, livestock inventories, and other characteristics of farms. This report will be published as volume 2, part 1.

The Coverage Evaluation report provides estimates of the completeness of the 1987 Census of Agriculture for the United States, geographic regions, and selected States and groups of States. Estimates with their associated sample reliability are provided for farms not on the mail list, farms classified as nonfarms, duplicate farms, and nonfarms classified as farms. This report will be published as volume 2, part 2.

The Ranking of States and Counties report ranks the leading States and counties for selected items in the 1987 census and provides comparative data from the 1982 census. This report will be published as volume 2, part 3.

A new publication on Government Payments and Market Value of Agricultural Products Sold presents 1987 data for the United States and each State. The U.S. table has a format similar to volume 1, U.S. table 52 and presents summary data by size of farm. This report will be published as volume 2, part 5.

DEFINITIONS AND EXPLANATIONS

The following definitions and explanations provide a more detailed description of the terms used in this publication than are available in the tables or on the report form. For an exact wording of the questions on the 1987 census report forms and the information sheet which accompanied these forms, see appendix D. Most definitions of terms are the same as those used in earlier censuses. The more important exceptions are also noted here.

Farms or farms reporting—The term "farms" or "farms reporting" in the presentation of data denotes the number of farms reporting the item. For example, if there are 3,710 farms in a State and 842 of them had 28,594 cattle and calves, the data for those farms reporting cattle and calves would appear as:

Cattle and calves- - - - - - - -	-farms- -	842
	number- -	28,594

Land in farms—The acreage designated in the tables as "land in farms" consists primarily of agricultural land used for crops, pasture, or grazing. It also includes woodland and wasteland not actually under cultivation or used for pasture or grazing, provided it was part of the farm operator's total operations. Large acreages of woodland or wasteland held for nonagricultural purposes were deleted from individual reports during the processing operations. Land in farms includes acres set aside under annual commodity acreage programs as well as acres in the Conservation Reserve Program for places meeting the farm definition.

Land in farms is an operating unit concept and includes land owned and operated as well as land rented from others. Land used rent free was to be reported as land rented from others. All grazing land, except land used under government permits on a per-head basis, was included as "land in farms" provided it was part of a farm or ranch. Land under the exclusive use of a grazing association was to be reported by the grazing association and included as land in farms. All land in Indian reservations used for growing crops or grazing livestock was to be included as land in farms. Land in reservations not reported by individual Indians or non-Indians was to be reported in the name of the cooperative group that used the land. In some instances, an entire Indian reservation was reported as one farm.

Land area—The approximate land area of counties and States represents the total land area as determined by records and calculations as of January 1, 1988. These data are updated periodically; however, the acreages shown for 1987 are essentially the same as for 1982. Any differences between the land area for 1987 and 1982 are due to annexations and other changes affecting county boundaries.

Land in two or more counties—With few exceptions, the land in each farm was tabulated as being in the operator's principal county. The principal county was defined as the one where the largest value of agricultural products was raised or produced. It was usually the county containing all or the largest proportion of the land in the farm or viewed by the respondent as his/her principal county. For a limited number of Midwest and Western States, this procedure has resulted in the allocation of more land in farms to a county than the total land area of the county. To minimize this distortion, separate reports were required for large farms identified from the 1982 census as having more than one farm unit. Other reports received showing land in more than one county were separated into two or more reports if the data would substantially affect the county totals.

Value of land and buildings—Respondents were asked to report their estimate of the current market value of land and buildings owned, rented or leased from others, and rented or leased to others. Market value refers to the value the land and buildings would sell for under current market conditions. If the value of land and buildings was not reported, it was estimated using the average value of land and buildings from a similar farm in the same geographic area.

Harvested cropland—This category includes land from which crops were harvested or hay was cut, and land in orchards, citrus groves, vineyards, nurseries, and greenhouses. Land from which two or more crops were harvested was counted only once, even though there was more than one use of the land.

Cropland used only for pasture or grazing—This category includes land used only for pasture or grazing that could have been used for crops without additional improvement. Included also was all cropland used for rotation pasture and land in government diversion programs that were pastured. However, cropland that was pastured before or after crops were harvested was to be included as harvested cropland rather than cropland for pasture or grazing.

Other cropland—This category includes cropland not harvested and not grazed which was used for cover crops, soil improvement crops, land on which all crops failed, cultivated summer fallow, idle cropland, and land planted in crops that were to be harvested after the census year.

Total woodland—This category includes natural or planted woodlots or timber tracts, cutover and deforested land with young growth which has or will have value for wood products, land planted for Christmas tree production, and woodland pastured. Land covered by sagebrush or mesquite was to be reported as other pastureland and rangeland or other land.

Woodland pastured—This category includes all woodland used for pasture or grazing during the census year. Woodland or forest land pastured under a per-head grazing permit was not counted as land in farms and therefore, was not included in woodland pastured.

Cropland in annual commodity acreage adjustment programs—This category includes land diverted or set aside under the provisions of the Federal Commodity Acreage Program. These data are for the acres of cropland taken out of production by growers of wheat, cotton, rice, corn, sorghum, barley, and oats, and devoted to conservation uses. Information was not obtained as to which crops would have been grown on the acres set aside.

Cropland in the Conservation Reserve Program (CRP)—This category includes acres of "highly erodible" cropland taken out of agricultural production and planted to protective cover crops or reforested. The CRP was established through the 1985 Food Security Act and provides for annual rental payments and shared costs of conservation practices through a 10-year contract with the USDA. Appendix B presents data on places with all their cropland enrolled in the Conservation Reserve Program and which were not counted as farms in the 1987 census.

Irrigated land—This category includes all land watered by any artificial or controlled means, such as sprinklers, furrows or ditches, and spreader dikes. Included are supplemental, partial, and preplant irrigation. Each acre was to be counted only once regardless of the number of times it was irrigated or harvested.

Operator—The term "operator" designates a person who operates a farm, either doing the work or making day-to-day decisions about such things as planting, harvesting, feeding, and marketing. The operator may be the owner, a member of the owner's household, a hired manager, a tenant, a renter, or a sharecropper. If a person rents land to others or has land worked on shares by others, he/she is considered the operator only of the land which is retained for his/her own operation. For partnerships, only one partner is counted as the operator. If it is not clear which partner is in charge, then the senior or oldest active partner is considered the operator. For census purposes, the number of operators is the same as the number of farms. In some cases, the operator was not the individual named on the address label of the report form, but another family member, a partner, or a hired manager who was actually in charge of the farm operation.

Operator characteristics—All operators were asked to report place of residence, principal occupation, days of off-farm work, year in which his/her operation of the farm began, age, race, sex, and Spanish origin. If race, age, sex, and principal occupation were not reported, they were imputed based on information reported by farms with similar acreage, tenure, and value of sales. No imputations were made for nonresponse to place of residence, Spanish origin, off-farm work, or year began operation. Operators of Spanish origin were tabulated by reported race.

Farm production expenses—In 1987, additional specific expense items and a category for all other farm production expenses were added to the selected farm production expenses collected in 1982. Consequently, we are publishing total farm production expenses in 1987. The expenses are limited to those incurred in the operation of the farm business. Expenses include the share of the expenditures provided by landlords, contractors, and partners in the operation of the farm business. Property taxes paid by landlords are excluded. Expenditures for nonfarm activities; farm-related activities such as providing customwork for others, the production and harvest of forest products, and recreational services; and household expenses are excluded. In 1987, as in other recent censuses, operators producing crops, livestock, or poultry under contract often were unable or unwilling to estimate the cost of production inputs furnished by the contractors. As a consequence, extensive estimation was required for contract producers.

Commercial fertilizer—The expense for commercial fertilizer is the amount spent on fertilizer during 1987 including the cost of custom application. The cost of custom application was excluded from the 1982 and 1978 data.

Agricultural chemicals—These expenses include the cost of all insecticides, herbicides, fungicides, and other pesticides, including the cost of custom application. Data exclude commercial fertilizer purchased. The cost of custom application was excluded from the 1982 and 1978 data. The cost of lime was excluded from the 1987 and 1982 data, but included in 1978.

Customwork, machine hire, and rental of machinery and equipment—These expenses include costs incurred for having customwork done on the place and for renting machines to perform agricultural operations. The cost of cotton ginning is excluded. The cost of labor involved in the customwork service is included in the customwork expense. The cost of custom application of fertilizer and chemicals was included in the 1982 and 1978 customwork data, but is included in expenditures for these items in 1987. The cost of hired labor for operating rented or hired machinery is included as a hired farm and ranch labor expense.

Interest—In 1987, separate data were collected for interest paid on debts secured by real estate and interest paid on debts not secured by real estate. In 1982, only total interest expenses were collected.

Market value of agricultural products sold—This category represents the gross market value before taxes and production expenses of all agricultural products sold or removed from the place in 1987 regardless of who received the payment. It includes sales by the operator as well as the value of any shares received by partners, landlords, contractors, or others associated with the operation. In addition, it includes receipts from placing commodities in the Commodity Credit Corporation (CCC) loan program in 1987. It does not include payments received for participation in federal farm programs nor does it include income from farm-related sources such as customwork and other agricultural services, or income from nonfarm sources.

The value of crops sold in 1987 does not necessarily represent the sales from crops harvested in 1987. Data may include sales from crops produced in earlier years and exclude some crops produced in 1987, but held in storage and not sold. For commodities, such as sugar beets and wool, sold through a co-op which made payments in several installments, respondents were requested to report the total value received in 1987.

The value of agricultural products sold was requested of all operators. If the operator failed to report this information, estimates were made based on the amount of crops harvested, livestock or poultry inventory or number sold. Extensive estimation was required for operators growing crops or livestock under contract.

Caution should be used when comparing sales in 1987 with sales reported in earlier censuses. Sales figures are expressed in current dollars and have not been adjusted for inflation or deflation.

Government payments—This category is limited to direct cash or generic commodity certificate (PIK) payments received by the farm operator in 1987. It includes deficiency and diversion payments; wool payments; payments from the Dairy Termination Program, the Conservation Reserve Program, other conservation programs, and all other federal farm programs under which payments were made directly to farm operators.

Other farm-related income—The 1987 report form included a new inquiry on income from farm-related sources. These data consist of gross income in 1987 before taxes and expenses from the sales of farm by-products and other sales and services closely related to the principal functions of the farm business. These data are for income producing activities that are primarily a by-product or supplemental to the farm operation. They exclude income from business activities that are separate from the farm business.

Customwork and other agricultural services—This income includes gross receipts received by farm operators for providing services for others such as planting, plowing, spraying, and harvesting. Income from customwork and other agricultural services is generally included in the agriculture census if it is closely related to the farming operation. However, it is excluded if it constitutes a separate business or is conducted from another location.

Rental of farmland—This income includes gross cash rent or share payments received from renting out farmland; payments received from the lease or sale of allotments for crops such as tobacco; and payments received for livestock pastured on a per-head, per-month, or per-pound basis. It excludes rental income from nonfarm property.

Sales of forest products—This income includes gross receipts from the sales of Christmas trees, standing timber, maple products, gum for naval stores, firewood, and other forest products from the farm business. It excludes income from nonfarm timber tracts and sawmill businesses.

Other farm-related income sources—This income includes gross receipts from hunting leases, fishing fees, camping, other recreational services, patronage dividends of cooperatives, sales of farm by-products, and other sales and services closely related to the farm business. It excludes income from nonfarm businesses.

Commodity Credit Corporations loans—This category includes loans for corn, wheat, soybeans, sorghum, barley, oats, cotton, peanuts, rye, rice, tobacco, and honey.

Agricultural chemicals used, including fertilizer and lime—For each type of agricultural chemical, the acres treated were to be reported only once even if the acres were fertilized or limed more than once. If multipurpose chemicals were used, the acres treated for each purpose were to be reported.

Fish and other aquacultural products—The raising of fish and other aquacultural products in captivity is included in the agriculture census. Production in salt water is considered not to be in captivity and is excluded from the census.

Bees and honey—Bee and honey production was enumerated and tabulated in the county in which the home farm was located even though hives are often moved from farm to farm over a wide geographic area.

Citrus enumeration—In the 1987 census, reports for selected citrus caretakers in Arizona, Florida, and Texas were obtained by direct enumeration. A citrus caretaker is an organization or person caring for or managing citrus groves for others. This special enumeration has been used in recent censuses because of the difficulty in identifying and enumerating absentee grove owners who often do not know the information that is needed to adequately complete the census report. Each citrus caretaker was enumerated as a farm operator and requested to complete one report form for all groves cared for and to furnish a list of grove owners' names, addresses, and acres of citrus. The names on the lists were matched to completed grove owners' report forms to eliminate duplication. The caretaker also was requested to inform the grove owner that he had already reported for the citrus under his care and that the grove owner was not to report the citrus again. In the 1987 census, 7 caretakers in Arizona reported 175 grove owners having 12,000 acres of citrus; the 65 caretakers in Florida reported 3,000 grove owners having 170,000 acres of citrus; and 20 caretakers in Texas reported 800 grove owners having 14,500 acres of citrus.

Crop year or season covered—Acres and quantity harvested are for the calendar year 1987 except for citrus fruits, avocados, olives; vegetables in Florida; sugarcane in Florida and Texas; and pineapples and coffee in Hawaii.

Citrus fruits—The data for Florida relate to the quantity harvested in the September 1986 through July 1987 harvest season, except limes that were harvested in the April 1987 through March 1988 harvest season. The data for Texas relate to the quantity harvested in the September 1986 through May 1987 harvest season. The data for States, other than Florida and Texas, relate to the quantity harvested in the 1986-87 harvest season.

Avocados—The data for California relate to the quantity harvested in the November 1986 through November 1987 harvest season and for Florida the April 1987 through March 1988 harvest season.

Olives—The data for California relate to the quantity harvested in the September 1986 through March 1987 harvest season.

Vegetables—The data for Florida relate to the crop harvested in the September 1986 through August 1987 harvest season.

Sugarcane for sugar—The data for Florida relate to the cuttings from November 1986 through April 1987, and for Texas the cuttings from October 1986 through April 1987.

Pineapples—The data for Hawaii relate to the quantity harvested in the year ending May 31, 1987.

Coffee—The data for Hawaii relate to the 1986-87 crop.

Acres and quantity harvested—Crops were reported in whole acres, except for the following crops which were reported in 10ths of acres: Irish potatoes, sweetpotatoes, tobacco, fruit and nut crops including land in orchards, berries, vegetables, and nursery and greenhouse crops; and in Hawaii, taro, ginger root, and lotus root. Totals for crops reported in 10ths of acres were rounded to whole acres at the aggregate level during the tabulation process.

If two or more crops were harvested from the same land during the year, the acres would be counted for each crop. Therefore, the total acres of all crops harvested generally exceeds the acres of cropland harvested. An exception to this procedure is hay crops. When more than one cutting of hay was taken from the same acres, the acres are counted only once but the quantity harvested includes all cuttings. However, hay cut for both dry hay and green chop or silage would be reported for each applicable crop. For interplanted crops or "skip-row" crops, acres were to be reported according to the portion of the field occupied by each crop.

If a crop was planted but not harvested, the acres were not to be reported as harvested. These acres were to be reported in the "land use" section under the appropriate cropland items—cropland used only for pasture or grazing, cropland used for cover crops, cropland on which all crops failed, or cropland idle.

Corn and sorghum hogged or grazed were to be reported as "cropland harvested" and not as "cropland used only for pasture or grazing." Crop residue left in fields and later hogged or grazed was not reported as cropland pasture.

Quantity harvested was not obtained for crops such as vegetables; nursery and greenhouse crops; corn cut for dry fodder, hogged or grazed; and sorghum, hogged or grazed.

Acres of land in bearing and nonbearing fruit orchards, citrus or other groves, vineyards, and nut trees were to be reported as harvested cropland regardless of whether the crop was harvested or failed. However, abandoned orchards were to be reported as cropland idle, not as harvested cropland and the individual abandoned orchard crop acres were not to be reported.

Land in orchards—This category includes land in bearing and nonbearing fruit trees, citrus or other groves, vineyards, and nut trees of all ages, including land on which all fruit crops failed. Respondents were instructed not to report abandoned plantings and plantings of less than 20 total fruit, citrus, or nut trees, or grapevines.

Crop units of measure—The regional report forms allowed the operator to report the quantity of field crops harvested in a unit of measure commonly used in the region. When the operator reported in a unit of measure different than the unit of measure published, the quantity harvested was converted to the published unit of measure.

Grapes could be reported in dry weight or fresh weight; plums and prunes in fresh weight, or prunes in dry weight; and in Hawaii, coffee in pounds parchment or pounds cherry, and macadamia nuts in pounds husked, unshelled or pounds shelled. For other fruit and nut crops and citrus, the operator was given a choice of units of measure of pounds, tons, or boxes. The quantity harvested for these crops is published in pounds.

Write-in crops—To reduce the length of the report form, only the major crops for the region were prelisted. For other crops, the respondent was requested to look at a list of crops in each section and write in the crop name and its code. For crops that had no individual code listed on the report form, the respondent was to write in the crop name and code the crop into the appropriate "all other" category for that section. Write-in crops coded as "all other" were reviewed and assigned a specific code when possible. Crops not assigned a specific code were left in the appropriate "all other" category.

In some cases, the reviewers were unable to determine the specific crop reported by the respondent because of incomplete or generalized crop names. To ensure proper coding, most of these respondents were telephoned. Reports for those not telephoned were changed on the basis of other reports for the area.

Misreported or miscoded crops—In a few instances, tabulated data may be inaccurate because respondents misunderstood or misinterpreted questions on the report form. Data may have been reported on the wrong line or in the wrong section, or the wrong crop code may have been placed beside the name of a write-in crop. Some of these errors as well as some keying errors may not have been identified during processing and therefore, were not corrected. Reports with significant acres of unusual crops for the area were examined to minimize the possibility that they were in error.

"See text" References

Items in the tables which carry the note "See text" are explained or defined in this section.

Data are based on a sample of farms—For 1987, 1982, and 1978, selected data were collected from only a sample of farms. These data are subject to sampling error. For 1987, the six-page sample form was mailed to all large and specialized farms (based on expected sales, acres, or standard industrial classification), all farms in Alaska and Hawaii, and approximately 17 percent of all other farms. Sample sections 23 through 28 of the 1987 census forms included inquiries on production expenses, commercial fertilizer and lime, chemicals, machinery and equipment, value of land and buildings, and income from farm-related sources. Estimates of the reliability of county totals for selected items are shown in table F of appendix C.

Operators of Spanish origin—No imputation was made for those not responding to the question on Spanish origin.

Farms operated by Black and other races—This category includes Blacks, American Indians, Asian and Pacific Islanders, and all other racial groups other than White.

All other races—This category is primarily limited to persons native to or of ancestry from Mexico, the Caribbean, and Central and South America.

Total sales—This item represents the gross market value of all agricultural products sold before taxes and expenses in the census year including livestock, poultry, and their products; and crops, including nursery crops and hay. Respondents were asked to include landlords' and contractors' shares. The value of commodities placed in CCC loans are included as sold. In 1987, all farms including abnormal farms were tabulated by size based on reported sales. In 1982 and 1978, abnormal farms were included in the total sales figure, but excluded from the detailed size breakdowns. Abnormal farms include institutional farms, experimental and research farms, and Indian reservations.

Farms with sales of less than $1,000—This category includes all farms with actual sales of less than $1,000, but having the production potential for sales of $1,000 or more. These farms normally could be expected to sell $1,000 or more of agricultural products.

Net cash return from agricultural sales for the farm unit—This category is derived by subtracting total operating expenditures from the gross market value of agricultural products sold. Depreciation and the change in inventory values are excluded from expenditures. Production expenditures may be understated on part owner and tenant farms because property taxes paid by landlords are excluded. Other landlord expenditures, such as insurance or rent paid, which are not readily known to renters may also be omitted or understated. Gross sales include sales by the operator as well as the share of sales received by partners, landlords, and contractors. Consequently, the net cash return is that of the farm unit rather than the net farm income of the operator.

Other livestock and livestock products—This category includes all livestock and livestock products not listed separately.

Value of livestock and poultry on farms—Data for the value of livestock and poultry on farms were obtained by multiplying the inventory of each major age and sex group by State average prices. The State average prices for cattle, hogs, sheep, Angora goats, hens and pullets of laying age, and turkeys were obtained primarily from data published by the National Agricultural Statistics Service, USDA. Prices applied to other livestock and poultry were census-derived averages based primarily on reported value of sales in the census.

Poultry hatched—This category includes all poultry hatched on the place during the year and placed or sold. Incubator egg capacity on December 31, 1987, is tabulated under the column heading "Inventory" and the number of poultry hatched and placed or sold is under the heading "Sales."

Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc.—Data shown for hay represent all hay crops, including grass silage, haylage, and hay crops cut and fed green (green chop). In production data, dry tons represent dry tonnage for the various hay categories and dry weight equivalents for grass silage and hay cut and fed green. The conversion used was 3 tons of green weight to 1 ton of dry weight.

Tame hay other than alfalfa, small grain, and wild hay—Data shown represent dry tons of hay harvested from clover, lespedeza, timothy, Bermuda grass, Sudan grass, and other types of legume and tame grasses.

Grapes—Farm operators were given the option of reporting the quantity of grapes harvested in dry weight or fresh weight. For publication purposes, all quantities of grapes harvested have been converted to pounds of fresh weight. The conversion used was 4 pounds fresh weight to 1 pound dry weight.

Plums and prunes—Farm operators were given the option of reporting the quantity of plums and prunes harvested in dry weight or fresh weight. For publication purposes, all quantities of plums and prunes harvested have been converted to pounds of fresh weight. The conversion used was 3 pounds fresh weight to 1 pound dry weight.

Cherries—For 1987, cherries were reported as "sweet cherries," "tart cherries," or "cherries" depending on the regional form the respondent completed. On regional forms for States where cherries are an important fruit crop, "sweet cherries" and "tart cherries" were listed separately. On the other regional forms, either "cherries" were listed or could be written in. For publication purposes, "cherries, total" could be shown along with the individual breakdown of "sweet cherries," "tart cherries," or "cherries, not specified." "Cherries, not specified" is used to account for cherries where the "sweet" and "tart" breakdown was not asked or where respondents wrote in "cherries" but did not specify or code the kind of cherry. All the individual cherry items may not be shown. Data for "sweet cherries," "tart cherries," and "cherries, not specified" are not available for 1982.

Other fruits and nuts—Data shown for other fruits and nuts relate to any fruits and nuts not having a specific code on the 1987 report form.

Land used for vegetables—Data are for the total land used for vegetable crops. The acres are reported only once, even though two or more harvests of a vegetable or more than one vegetable were harvested from the same acres.

Vegetables harvested for sale—The acres of vegetables harvested is the summation of the acres of individual vegetables harvested. All of the individual vegetable items may not be shown.

Nursery and greenhouse crops grown for sale—These data are a summation of the individual items reported. All of the individual items may not be shown.

Nursery, floriculture, vegetable and flower seed crops, sod, etc., grown in the open, irrigated—Data refer to farms reporting irrigated nursery, floriculture, vegetable and flower seeds, sod, bedding plants, etc., grown in the open.

Other grains—These data are for the total market value of other grains sold including dry edible beans, dry lima beans, buckwheat, dry southern peas (cowpeas), emmer and spelt, flaxseed, mixed grains, lentils, mustard seed, dry edible peas, popcorn, proso millet, rice, rye for grain, safflower, sunflower seed, triticale, and wild rice.

Value of crop production—This item represents the estimated value of all crops harvested during the 1987 crop year. Data for the value of crops harvested were obtained by multiplying the average estimated value per unit by the reported acres or quantity harvested. Generally, harvested units of production (pounds, bushels, bales, etc.) were multiplied by State estimates of prices per unit. If only acres harvested were reported, State estimates for value of production per acre were used. The State average production price and production value per acre used in these calculations were obtained usually from publications of the National Agricultural Statistics Service, USDA. When

USDA estimates were not available, Bureau of the Census statisticians made estimates using available sources such as data from adjacent States, respondent report forms, county extension agents, and other persons knowledgeable about specific crops.

FARMS CLASSIFIED BY SPECIFIED CHARACTERISTICS

State tables 48 through 53 present detailed 1987 data for all farms classified by specified characteristics—tenure of operator, type of organization, age and principal occupation of operator, size of farm (acres), value of agricultural products sold, and standard industrial classification. Other tables include data classified by value of sales groups or other characteristics of the farm or the operator.

Farms by value of agricultural products sold or value of sales— In 1987, all farms were tabulated by size based on reported sales. In 1982 and earlier censuses, abnormal farms were not tabulated based on sales size. In the tables on market value of agricultural products sold, the sales of abnormal farms in 1982 and earlier censuses were included in the total sales figure, but excluded from the detailed size categories. Abnormal farms included institutional farms, experimental and research farms, and Indian reservations. The category "farms with sales of less than $1,000" included all farms with actual sales of less than $1,000 but having the production potential for sales of $1,000 or more. These farms normally could be expected to sell $1,000 or more of agricultural products.

The sales size categories used in this report are consistent with the standard business size categories issued by Office of Management and Budget (OMB) in 1982. In State table 52, data are presented for four sales size categories between $10,000 and $49,999. This provides users with bridge data under both the OMB and the 1978 census classifications. For the 1992 census, data will be presented only for the OMB sales size categories of $10,000 to $24,999 and $25,000 to $49,999.

Abnormal farms—This category includes institutional farms, experimental and research farms, and Indian reservations. Institutional farms include those operated by hospitals, penitentiaries, churches, schools, grazing associations, and government agencies. In 1987 and 1982, nongovernmental units such as church farms and Future Farmers of America camps were classified as abnormal farms only when 50 percent or more of their products produced and intended for human consumption were utilized by the organization.

Farms by tenure of operator—The classifications of tenure used in the 1987 census were:

Full owners, who operate only land they own.

Part owners, who operate land they own and also land they rent from others.

Tenants, who operate only land they rent from others or work on shares for others.

Farms by type of organization—All farms were classified by type of organization in the 1987 census. The classifications used were:

Individual or family (sole proprietorship), excluding partnership and corporation.

Partnership, including family partnership.

Corporation, including family corporation.

Other, cooperative, estate or trust, institutional, etc.

Corporations were subclassified by two additional characteristics into:

1. Family held
   Other than family held
2. More than 10 stockholders
   10 or less stockholders

Farms by age and principal occupation of operator—Data on age and principal occupation were requested from all operators in 1987. The principal occupation classifications used were:

Farming—The operator spent 50 percent or more of his/her worktime in 1987 in farming or ranching.

Other—The operator spent more than 50 percent of his/her worktime in 1987 in occupations other than farming or ranching.

Farms by size—All farms were classified into selected size groups according to the total land area in the farm. The land area of a farm is an operating unit concept and includes land owned and operated as well as land rented from others. Land rented to or assigned to a tenant was considered the tenant's farm and not the owner's.

Farms by standard industrial classification—In 1987, all agricultural production establishments (farms, ranches, nurseries, greenhouses, etc.) were classified by type of activity using the standard industrial classification (SIC) system. These classifications, found in the 1987 SIC Manual[1], are used to promote uniformity and comparability in the presentation of statistical data collected by various agencies.

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[1] **Standard Industrial Classification Manual: 1987.** For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-003-14-2.

An establishment primarily engaged in crop production (major group 01) or production of livestock and animal specialties (major group 02) is classified in the four-digit industry and three-digit industry group which accounts for 50 percent or more of the total value of sales of its agricultural products. If the total value of sales of agricultural products of an establishment is less than 50 percent from a single four-digit industry, but 50 percent or more from the products of two or more four-digit industries within the same three-digit industry group, the establishment is classified in the miscellaneous industry of that industry group. Otherwise, it is classified as a general crop farm in industry 0191 or a general livestock farm in industry 0291. Establishments that derive 50 percent or more of the value of sales from horticultural specialties of industry group 018 are classified in industry 0181 or 0182 according to their primary activity.

Characteristics of all farms by selected SIC groupings are shown in State tables 18 and 53. The SIC groupings shown in State table 53, together with the associated products (value of sales representing 50 percent or more of the value of agricultural products sold during the year) on which the classification is based, are as follows:

Cash grains (011)—Wheat, rice, corn, soybeans, barley, buckwheat, cowpeas, dry field and seed beans and peas, flaxseed, lentils, milo, mustard seed, oats, popcorn, rye, safflower, sorghum, sunflowers, and other small grains.

Cotton (0131)—Cotton and cottonseed.

Tobacco (0132)—Tobacco.

Sugarcane, sugar beets, Irish potatoes, hay, peanuts, and other field crops (0133, 0134, 0139)—Sugarcane, sugar beets, Irish potatoes, alfalfa, broomcorn, clover, grass seed, hay, hops, mint, peanuts, sweetpotatoes, timothy, and yams.

Vegetables and melons (016)—Vegetables and melons grown in the open.

Fruits and tree nuts (017)—Berries, grapes, tree nuts, citrus fruits, deciduous tree fruits, avocados, bananas, coffee, dates, figs, olives, pineapples, and tropical fruit.

Horticultural specialties (018)—Bedding plants, bulbs, florists' greens, flower and vegetable seeds, flowers, foliage, fruit stocks, nursery stock, ornamental plants, shrubberies, sod, mushrooms, and vegetables grown under cover.

General farms, primarily crops (019)—Crops, including horticultural specialties, but less than 50 percent of sales from any single three-digit industry group.

Livestock, except dairy, poultry, and animal specialties (021)—Cattle, calves, hogs, sheep, goats, goat's milk, mohair, and wool.

Beef cattle, except feedlots (0212)—Production or feeding of beef cattle, except feedlots.

Dairy farms (024)—Production of cows' milk and other dairy products and raising of dairy heifer replacements.

Poultry and eggs (025)—Chickens, chicken eggs, turkeys, ducks, geese, pheasants, pigeons, quail, and squab.

Animal specialties (027)—Fur-bearing animals, rabbits, horses, ponies, bees, fish in captivity except fish hatcheries, worms, and laboratory animals.

General farms, primarily livestock and animal specialties (029)— Livestock and animal specialties and their products, but less than 50 percent of sales from any single three-digit industry group.

The SIC manual was revised for 1987. Animal aquaculture (0273) was established as a new industry and horticultural specialties, not elsewhere classified (0189) was deleted.

APPENDIX B.
Places With All Cropland in the Conservation Reserve Program

The Food Security Act of 1985 established the Conservation Reserve Program (CRP). This program provides annual payments for highly erodible cropland enrolled in the program and meeting its conservation requirements. It also requires that the land be taken out of agricultural production for 10 years.

The 1987 Census of Agriculture includes Conservation Reserve acreage as land in farms on operations that meet the census farm definition. For census purposes, a farm is any place from which agricultural products of $1,000 or more were produced and sold or normally would have been sold during the census year. Operations which placed all of their cropland in the CRP and did not otherwise meet the farm definition based upon sales, livestock inventories, planted crops, or other criteria for potential sales were not included as farms in the census tabulations.

The following table provides CRP data for places not meeting the census farm definition ("whole farm" CRP places). It also contains separate but corresponding CRP data for farms included in the census tabulations. In addition to State data, detailed county data are presented for counties with three or more "whole farm" CRP places reported. For counties with less than three "whole farm" CRP places reported, their data are combined and reported in "all other counties."

The data for "whole farm" CRP places are not complete for all counties. The census mail list was developed from sources which indicated the farm had agricultural production activity. It was not designed to cover all "whole farm" CRP places. Therefore, the data for these places are limited to what was reported in the census and have not been adjusted to account for nonresponse, incomplete coverage, and reporting errors.

Land in Conservation Reserve Program: 1987

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Agricultural places excluded by farm definition with acres in the CRP			Farms with acres in the CRP		
	Number	Land in places (acres)	Land in CRP (acres)	Number	Land in farms (acres)	Land in CRP (acres)
Michigan	**237**	**22 285**	**11 068**	**851**	**307 456**	**38 874**
Allegan	7	581	240	22	9 722	1 717
Arenac	4	487	165	11	5 762	398
Barry	23	2 431	1 186	52	18 854	3 402
Bay	6	576	204	12	2 067	422
Berrien	5	312	220	9	2 385	223
Branch	8	640	428	29	13 135	1 494
Calhoun	24	2 787	1 321	55	18 800	2 792
Cass	6	421	117	15	4 837	775
Clinton	5	535	352	39	10 511	1 292
Eaton	4	277	124	24	8 212	1 136
Gratiot	7	627	476	26	9 899	1 102
Hillsdale	35	2 495	1 634	79	23 889	4 240
Huron	5	624	432	10	8 073	428
Isabella	3	133	115	20	7 645	1 041
Jackson	4	426	237	18	5 614	623
Kalamazoo	4	261	211	8	2 822	205
Kent	4	179	82	14	8 980	916
Lapeer	4	389	253	14	5 192	670
Lenawee	6	459	216	27	8 455	1 019
Midland	3	355	58	7	4 258	(D)
Montcalm	3	346	118	34	14 294	1 203
Saginaw	8	729	294	6	1 699	(D)
St. Clair	5	470	303	10	3 817	230
St. Joseph	7	728	465	13	3 986	298
Sanilac	11	1 056	581	54	18 839	2 212
Shiawassee	6	384	193	11	4 324	521
Tuscola	3	227	97	24	7 474	727
Washtenaw	4	402	85	18	3 334	359
All other counties	23	2 948	861	190	69 077	8 746

APPENDIX C.
Statistical Methodology

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CENSUS SAMPLE DESIGN C-1
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B. RELIABILITY ESTIMATES FOR NUMBER OF FARMS IN A COUNTY REPORTING A COMPLETE COUNT ITEM: 1987
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G. STATE COVERAGE EVALUATION ESTIMATES OF FARMS NOT ON THE MAIL LIST: 1987

MAIL LIST MODEL

A statistical discriminant model was developed to predict the probability that a mail list addressee operated a farm. The model was used to identify the 4.1 million records from the preliminary census mail list of 6.0 million records that would receive a census of agriculture report form. Records from the 1982 census mail list were used to build the model. Record characteristics such as the source of the mail list record (see appendix A for a description of record sources), number of source lists on which the record appeared, expected value of agricultural sales, and geographic location were used to separate mail list records into model groups. The proportion of 1982 census farm records in each group was calculated to provide an estimate of the probability that an addressee in the group operated a farm.

Using these same group definitions, the 1987 census mail list records were separated into groups, each with an associated estimate of farm probability from the model. The 4.1 million mail list records in groups with the largest estimate of farm probability were selected to receive the census report form. A large percentage of the 1.9 million records that were dropped from the 6.0 million preliminary census mail list were nonfarm records from the previous census. This procedure was used to obtain a more complete census enumeration without excessive respondent burden and data collection cost.

CENSUS SAMPLE DESIGN

Each of the 4.1 million name and address records on the census mail list was designated to receive one of three different types of census report forms. The three forms were the nonsample census form (a four-page form), the sample form (a six-page form), and the short form (a two-page form). Sections 1 through 22 of the sample form were identical to sections on the nonsample census form. However, the sample form contained additional sections on farm production expenditures, usage of fertilizers and insecticides, value of machinery and equipment, value of land and buildings, and farm-related income. The short form contained abbreviated versions of the sections on the nonsample census form. These three different forms were used to reduce the response burden of the census, while providing quality information on a large number of data items at the county level.

The sample form was mailed to all mail list records in Alaska and Hawaii and to a sample of records in other States identified when the mail list was constructed. Addresses were selected into the sample with certainty if they were expected to have large total values of agricultural products sold or large acreage, if they were firms with two or more farms, or if they had other special characteristics. When a nonsample large farm was identified during processing, a supplemental form that contained the additional data inquiries was mailed. All farms in counties with less than 100 farms in 1982 were included in the sample with certainty; counties containing 100 to 199 farms in 1982 were systematically sampled at a rate of 1 in 2; and counties containing 200 or more farms in 1982 were systematically sampled at a rate of 1 in 6. This differential sample scheme was used to provide reliable data for sections 23 through 28 of the report form for all counties.

To determine which mail list records would receive the short form, all mail list records not designated for the sample were sorted into model groups according to farm probability as specified by the mail list model. The 906,000 mail list records in the model groups with the lowest probability of being farms and with an expected total value of agricultural product sales less than $20,000 were designated to receive the short form. The remaining mail list records were selected to receive the nonsample census form.

CENSUS ESTIMATION

The 1987 Census of Agriculture used two types of statistical estimation procedures. These estimation procedures accounted both for nonresponse to the data collection and for the sample data collection. These procedures are used because some farm operators never respond to the census despite numerous attempts to contact them, and not all farm operators are requested to provide the sample data items.

Whole Farm Nonresponse Estimation

A statistical estimation procedure was used to account for the census farms among mail list nonrespondents that were not designated for telephone followup. A stratified systematic sample of eligible census nonrespondents were mailed a simplified report form. Five sample strata were defined based on form type, expected value of sales, and previous census status. The report form was designed to provide sufficient information to determine farm status. Additional mail and telephone contacts were made to survey nonrespondents to obtain sufficient response for survey estimates.

Estimates of the proportion of census nonrespondents that operated farms were made for each stratum in the State using survey results and applied to the total number of census nonrespondents in that stratum. A synthetic estimation procedure was used to estimate the number of census nonrespondents that operated farms for each county by stratum. This estimation procedure is based on the assumption that the distribution of farms in a stratum by county is the same for census nonrespondents as for census respondents.

Within each stratum in a county, a noninteger nonresponse weight was calculated and assigned to each eligible respondent farm record. The procedure used for calculating the nonresponse weight assumed the eligible census respondents and the nonrespondent farm operations in a county had similar characteristics within each stratum. The noninteger nonresponse weight was the ratio of the sum of the estimated number of nonrespondent farms (using nonresponse survey results) and the number of eligible census respondent farms to the number of eligible census respondent farms. Stratum controls were established to ensure that this weight was never greater than 2.0. The noninteger nonresponse weight was used in the estimation of the final weight for the sample items. It was randomly rounded to an integer weight of either 1 or 2 for each record for tabulating the complete count items.

The procedure assumed that we obtain complete response from large and unique farm operations because these cases received intensive telephone followup during census processing. In situations where addressees could not be contacted by telephone or refused to cooperate, secondary sources such as Agricultural Stabilization and Conservation Service offices or county extension agents were asked to provide information as to whether or not the addressee had agricultural activities. Data from previous census reports for the specific addressee, in conjunction with other information, were used to complete the census report form.

Table A quantifies the effect of the nonresponse estimation procedure on selected census data items. The percentage of the census value contributed by nonresponse estimation as provided in this table indicates the potential for bias in published figures resulting from this procedure. The estimates provided in these tables do not reflect the effect of nonresponse to individual data items on respondents' census report forms. The effect of this item nonresponse is discussed further under Census Nonsampling Error.

Table A. **Percent of State Totals Contributed by Whole Farm Nonresponse Estimation: 1987**

Item	Percent of total
Farms ---number--	9.4
Land in farms ---acres--	6.9
Value of land and buildings ---$1,000--	6.9
Market value of agricultural products sold --$1,000--	4.1
Harvested cropland ---acres--	6.4
Corn for grain or seed ---acres--	5.8
Wheat for grain ---acres--	6.5
Livestock and poultry inventory:	
Cattle and calves ---number--	5.8
Hogs and pigs ---number--	4.5
Hens and pullets of laying age ---number--	.7

Sample Estimation

All respondent sample records received a sample weight. The sample data estimates the actual figures that would have resulted from a complete census of the items in sections 23 through 28 of the report form. The estimates were obtained from an iterative ratio estimation procedure that resulted in the assignment of a weight to each record containing sample items. For any given county, a sample item total was estimated by multiplying the data items for each farm in the county by the corresponding sample weight and summing overall sample records in the county.

Each sample farm was assigned one sample weight to be used to produce estimates for all sample items. For example, if the weight given to a sample farm had the value 5, all sample data items reported by that farm would be multiplied by 5. The weight assigned a certainty farm was 1. The estimation procedure used to assign weights was performed for each county.

Within a county, the ratio estimation procedure for farms was performed in three steps using three variables. The first variable contained eight 1987 total value of agricultural production (TVP) groups. Both the second and third variables, Standard Industrial Classification (SIC) code and farm acreage, contained two groups. The variable groups were as follows:

TVP	SIC	Acres
$1 to $999	01 All crops	0 to 69
$1,000 to $ 2,499	02 All livestock	70 or more
$2,500 to $ 4,999		
$5,000 to $ 9,999		
$10,000 to $24,999		
$25,000 to $49,999		
$50,000 to $99,999		
$100,000 or more		

The first step in the estimation procedure was to partition the sample records into 32 mutually exclusive initial post strata formed by combining the three variable groups. This produced a three dimensional array where the cells of the array corresponded to the initial post strata groups. Each sample farm record was assigned an initial weight equal to the ratio of the total farm count to the sample farm count, expanded for nonresponse estimation, for the cell containing the sample farm. This weight was approximately equal to the inverse of the probability of selecting a farm for the census sample.

The second step in the estimation procedure was to combine, if necessary, the cells of the array (prior to the repeated ratio estimation) to increase the reliability of the ratio estimation procedure. Any cell within the array that either contained less than 10 sample farms or had a ratio of total farms to sample farms that was more than 2 times the mail sample rate was collapsed with another cell (in the same variable) according to a specified collapsing pattern. New total farm counts and sample farm counts were computed for each of the collapsed cells (final post strata) and were used in the ratio estimation procedure to calculate final sample weights.

In the third step in the ratio estimation procedure, complete counts for the three variables (TVP, SIC, acreage) were used to compute the marginals of the array defined by the final post strata. Factors were then applied to expanded sample totals in each cell of the array to obtain agreement with the row marginal (TVP) complete counts. The sample totals then had factors applied to obtain agreement with the column marginal (SIC) complete counts. Lastly, the sample totals had factors applied to obtain agreement with the depth marginal (acreage) complete counts. This procedure that requires the row totals, then the column totals, and then the depth totals to agree with the complete counts for the rows, columns, and depths, respectively, is continued iteratively until the process converges (the marginal totals agree with the complete count totals).

The ratio of the adjusted total farm count to the sample farm count obtained from the second iteration of the estimation procedure was the noninteger final post stratum sample weight assigned to the sample farm records in that post stratum. The noninteger sample weight, the product of the noninteger final post stratum sample weight and the nonresponse weight, was randomly rounded to an integer weight for tabulation. If, for example, the final weight for the farms in a particular group was 7.2, then one-fifth of the sample farms in this group were randomly assigned a weight of 8 and the remaining four-fifths received a weight of 7.

CENSUS SAMPLING ERROR

Sampling error in the census data results from the nonresponse sample and the census sample data collection. Census items were classified as either complete count or sample data items. The complete count items were asked of all farm operators. The complete count data items included land in farms, harvested cropland, livestock inventory and sales, crop acreages, quantities harvested and crop sales, land use, irrigation, government loans and payments, conservation acreage, type of organization, and operator characteristics (sections 1 through 22 of the census report form). Variability in the complete count data items is considerably smaller than in the sample items as the variation is due only to the nonresponse sample estimation procedure. The sample items were asked of approximately 25 percent of the total census farm operators. The sample data items included farm production expenditures, fertilizer and chemical usage, farm machinery and equipment, value of land and buildings, and farm-related income (sections 23 through 28 of the census report form). Variability in the estimates of sample items is due both to the census sample selection and estimation procedure and the nonresponse sample estimation procedure.

The sample for the 1987 Census of Agriculture is one of a large number of possible samples of the same size that could have been selected using the same sample design. Estimates derived from the different samples would differ from each other. The difference between a sample estimate and the average of all possible sample estimates is called the sampling deviation. The standard error or sampling error of a survey estimate is a measure of the variation among the estimates from all possible samples, and thus is a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples. The percent relative standard error of estimate is defined as the standard error of the estimate divided by the value being estimated multiplied by 100. If all possible samples were selected, each of the samples were surveyed under essentially the same conditions, and an estimate and its standard error were calculated from each sample, then:

1. Approximately 67 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average value of all possible samples.
2. Approximately 90 percent of the intervals from 1.65 standard errors below the estimate to 1.65 standard errors above the estimate would include the average value of all possible samples.

The computations involved to define the above confidence statements are illustrated in the following example. Assume that the estimate of number of farms for the State is 94,382 and the relative standard error of the estimate (percent) is .1 percent (0.001). Multiplying 94,382 by 0.001 yields 94, the standard error. Therefore, a 67-percent confidence interval is 94,288 to 94,476 (i.e., 94,382 plus or minus 94). If corresponding confidence intervals were constructed for all possible samples of the same size and design, approximately 2 out of 3 (67 percent) of these intervals would contain the figure obtained from a complete enumeration. Similarly, a 90 percent confidence interval is 94,227 to 94,538 (i.e., 94,382 plus or minus 1.65 x 94).

Tables B and C provide the reliability estimates of the estimated number of farms in a county reporting complete count and sample items, respectively. Both tables show the percent relative standard errors for selected estimated number of farms in a county reporting an item.These are derived from a regression equation. The parameters of the regression equation were estimated using the estimated number of farms in a county reporting the complete count or sample item as the independent variable and the standard error of that estimate as the dependent variable for all counties in the State.

Table B. **Reliability Estimates for Number of Farms in a County Reporting a Complete Count Item: 1987**

Farms	Relative standard error of estimate (percent)
Number of farms reporting:	
25	6.2
50	3.9
75	2.7
100	1.9
150	1.6
200	1.4
300	1.1
500	.9
750	.7
1,000	.6
1,500	.5
2,000	.4

Note: Complete count items are items in sections 1 to 22 of the report form.

To illustrate the use of these tables, assume that the estimate of the number of farms reporting hogs and pigs for a particular county, as given in county table 12, is 89. Since hogs and pigs is a complete count data item, refer to table B and select the estimated relative standard error of the estimate from the row whose value is equal to or just less than the estimated number of farms, 89. For this example, the relative standard error of the estimate comes from the row for 75 farms reporting. For sample data items, follow the same procedure using table C. In counties that had less than 100 farms in the 1982 Census of Agriculture, table C does not apply because the farms in these counties were sampled with certainty (1 in 1), and thus, the reliability estimates for the number of farms in these counties are smaller than for counties that were sampled at lower rates (1 in 2 or 1 in 6).

Table C. **Reliability Estimates for Number of Farms in a County Reporting a Sample Item: 1987**

Farms	Relative standard error of estimate (percent)
Number of farms reporting:	
25	26.9
50	19.1
75	15.7
100	13.7
150	11.3
200	9.8
300	8.2
500	6.6
750	5.6
1,000	5.0
1,500	4.4
2,000	4.0

Note: Sample items are items in sections 23 to 28 of the report form.

Table D presents the relative standard error of selected State data items for all farms and for all farms with sales of $10,000 or more. The percent relative standard error of the estimate for complete count data measures the variation associated with the sample-based adjustment for whole farm nonresponse. The percent relative standard error of the estimate for sample items measures both the sampling error due to the nonresponse sample estimation procedure and the census sample selection and estimation procedure. The reliability of State estimates may vary substantially from State to State. Generally, State estimates for a given data item are less reliable than the corresponding U.S. estimate.

Table E presents the standard error (not relative standard error) for percent change in State totals from 1982 to 1987. The general purpose of the percent change estimate is to provide a relative measure of the difference in a characteristic between censuses. The relative change for a given characteristic is defined as the ratio of the difference of the 1987 and the 1982 estimate for that characteristic to the 1982 estimate. This ratio is multiplied by 100 to obtain the percent change. The percent standard error of a percent change estimate, then, is the standard error of the ratio multiplied by 100.

Table F presents the relative standard error for county totals for 10 major complete count items and 7 sample items. The relative standard error of the estimate (percent) for the same item differs among counties in a State. Reasons for this are differences among counties in (1) the total number of farms, (2) the number of large farms included with certainty, (3) the size classifications of the farms sampled, (4) the amount of nonresponse, (5) the general agricultural characteristics, and (6) the specific characteristic being measured.

CENSUS NONSAMPLING ERROR

The accuracy of the census counts are affected by the joint effects of the sampling errors described in the previous section and nonsampling errors. Extensive efforts were made to compile a complete and accurate mail list for the census, to design an understandable report form and instructions, and to minimize processing errors through the use of quality control, verification, and check measures on specific operations. Nonsampling errors arise from incompleteness of the census mail list, duplication in the mail list, incorrect data reporting, errors in editing of reported data, and errors in imputation for missing data. These specific nonsampling errors are further discussed in this section. Evaluation studies will be conducted to measure the extent of certain nonsampling errors such as coverage error, classification error, and item imputation.

Census Coverage

The main objective of the census of agriculture is to obtain a complete and accurate enumeration of U.S. farms with accurate data on all aspects of the agricultural operation. However, the cost and availability of resources for this enumeration place restrictions on operationally feasible data collection methodologies. The past five agriculture censuses have been conducted by mail enumeration with telephone contact for selected nonrespondents. The completeness of such an enumeration thus depends to a large extent on the coverage of farm operations by the census mail list.

Historically, the census of agriculture has included approximately 90 percent of the farms in the United States and over 96 percent of the agricultural production. Complete enumeration of agricultural operations satisfying the farm definition of $1,000 or more in agricultural sales is complicated by fluctuations in agricultural operations qualifying for enumeration, the variety of arrangements under which farms are operated, the multiplicity of names used by an operation, the number of operations in which an operator participates, the accuracy of data reporting, etc. A new mail list is compiled for each census because no current single list of agricultural operations is comprehensive.

An evaluation of census coverage has been conducted for each census of agriculture since 1945. The evaluation provides estimates of the completeness of census farm count and major census data items. In addition, the evaluation helps to identify problems in the census enumeration and provide information that can form the basis for improvements. The results of the 1987 Coverage Evaluation program will be published in volume 2, part 2.

The evaluation of coverage conducted in 1987 was designed to measure errors in the census mail list and in farm classification. Mail list error includes a measurement of farms not on the census mail list (undercount), and a measurement of farms enumerated more than once in the census (overcount). Classification error includes a measurement of farms classified as nonfarms in the census (undercount) and of nonfarms classified as farms in the census (overcount). Classification error arises from reporting and processing errors. Mail list undercount dominates all coverage errors. Net coverage error is defined as the difference of undercounted and overcounted farms. Measurements of these errors, as well as a description of the complete coverage program, will be available in the Coverage Evaluation report.

Mail List Coverage

A major problem with the use of a mail list for the census of agriculture enumeration is the difficulties that are encountered in compiling a complete list. The percentage of farms on the census mail list varies considerably by State. Several reasons have contributed to farm operators' names not being included on the census mail list—the operation may have been started after the mail list was developed, the operation may be so small as not to appear in agricultural related source lists used in compiling the census list, or the operation may have been falsely classified as a nonfarm prior to mailout. A large proportion of the farms not included on the mail list were small in both acres and sales of agricultural products.

The 1987 Census of Agriculture Coverage Evaluation used the area segment sample of the 1987 June Enumerative Survey (JES) of the National Agricultural Statistical Service (NASS) to estimate farms not on the census mail list. The Census Bureau contracted with the NASS to augment the JES data collection and receive survey data under the confidentiality protection afforded by Title 13, U.S. Code, from all residents of area sample segments with agricultural activity. These survey records were matched to the census mail list. Records that did not match were mailed a census of agriculture report form to estimate mail list coverage. Estimates of farms not on the census mail list used the capture-recapture dual frame estimator that will be described in the Coverage Evaluation report.

Table G provides coverage evaluation estimates of the number of farms not on the mail list and selected characteristics of those farms with their percent relative standard error. The table also provides an estimate of characteristics of farms not on the mail list as a percentage of total farms in the State. The estimate of total farms in the State is based on census farm count and the estimated number of farms not on the census mail list. This estimate of total farms in the State was not adjusted for classification and list duplication errors. Estimates of these errors will be made at the regional rather than the State level and will be available in the Coverage Evaluation report. The table provides the standard error (not relative standard error) of this percent estimate.

Respondent and Enumerator Error

Incorrect or incomplete responses to the mailed census report form or to the questions posed by a telephone enumerator introduce error into the census data. Such incorrect information can lead, in some cases, to incorrect enumeration of farms. This type of reporting error is measured by the Classification Error Study discussed later in this section. To reduce all types of reporting error, questions were phrased as clearly as possible based on tests of the census report form, and detailed instructions for completing the report form were provided to each addressee. In addition, each respondent's answers were checked for completeness and consistency.

Item Nonresponse

Nonresponse to particular questions on the census report that we would logically or statistically expect to be present may create a type of nonsampling error in both complete count and sample data. When information reported for another farm with similar characteristics is used to edit or impute for item nonresponse, the data may be biased because the characteristics of the nonrespondents have not been observed and may differ from those reported by respondents. Any attempt to correct the data for nonresponse may not completely reflect this difference either at the element level (individual farm operation) or on the average.

Processing Error

The many steps of processing of each census report form are sources for the introduction of nonsampling error. The processing of the census report forms includes clerical screening for farm activity, computerized check-in of report forms and followup of nonrespondents, keying and transmittal of completed report forms, computerized editing of inconsistent and missing data, review and correction of individual records referred from the computer edit, review and correction of tabulated data, and electronic data processing. These operations undergo a number of quality control checks to ensure as accurate an application as possible, yet some errors are not detected and corrected.

Classification Error

An evaluation study of classification errors was conducted in the 1987 Census of Agriculture as part of the census coverage evaluation program. A sample of mail list respondents was selected, and these addresses reenumerated to determine whether they were a farm or nonfarm. A farm status determination was made based on the evaluation questionnaire and compared with the status based on the data reported on the census form. Differences in status were reconciled.

In past censuses, the proportion of farms undercounted due to classification errors was higher for farms with small values of sales. The classification error rate was higher for (1) livestock farms than crop farms, (2) farms with a small number of acres than larger farms, or (3) tenant farms than full or part-owner farms. Results from the 1987 classification error study will be published in the Coverage Evaluation report.

EDITING DATA AND IMPUTATION FOR ITEM NONRESPONSE

For the 1987 Census of Agriculture, as in previous censuses, all reported data were keyed and then edited by computer. The edits were used to determine whether the reports met the minimum criteria to be counted as farms in the census. Computer edits also performed a series of complex, logical checks of consistency and completeness of item responses. They provided the basis for deciding to accept, impute (supply), delete, or alter the reported value for each data record item.

Whenever possible, edit imputations, deletions, and changes were based on component or related data on the respondent's report form. For some items, such as operator characteristics, data from the previous census were used when available. Values for other missing or unacceptable reported data items were calculated based on reported quantities and known price parameters.

When these and similar methods were not available and values had to be supplied, the imputation process used information reported for another farm operation in a geographically adjacent area with characteristics similar to those of the farm operation with incomplete data. For example, a farm operation that reported acres of corn harvested, but did not report quantity of corn harvested, was assigned the same bushels of corn per acre harvested as that of the last nearby farm with similar characteristics that reported acceptable yields during that particular execution of the computer edit. The imputation for missing items in each section of the report form was conducted separately; thus, assigned values for one operation could come from more than one respondent.

Prior to the imputation operation, a set of default values and relationships were assigned to the possible imputation variables. The relationships and values varied depending on the item being imputed. For example, different default values were assigned for several standard industrial classification and total value of sales categories when imputing hired farm labor expenses. These values and item relationships for the possible imputation variables were stored in the computer in a series of matrices. The computer records were sorted by reported State and county, where the county sequence was based on similar types of farms and agricultural practices.

Each execution of the computer edit consisted of records from only one State. For a given execution of the edit, the stored entries in the various matrices were retained in the computer only until a succeeding record having acceptable characteristics for some sections of the report form was processed by the computer. Then the acceptable responses of the succeeding operation replaced those previously stored. When a record processed through the edit had unreported or unacceptable data, the record was assigned the last acceptable ratio or response from an operation with a similar set of characteristics. Once each execution of the computer edit for a State was completed, the possible imputation variables were reset to the default values and relationships for subsequent executions.

After the initial computer edit, keyed reports not meeting the census farm definition were reviewed to ensure that the data were keyed correctly. Edit referrals were generated for about 30 percent of the reports included as farms, and they were also reviewed for keying accuracy and to ensure that the computer edit actions were correct. If the results of the computer edit were not acceptable, corrections were made and the record was reedited. More extensive discussions of the edit and item imputation methodology with measures of the extent of imputation in the census estimates will be provided in a separate research report.

Tables D through G follow.

Table D. Reliability Estimates of State Totals: 1987

[For meaning of abbreviations and symbols, see introductory text]

Item		All farms: Total (number)	All farms: Relative standard error of estimate (percent)	Farms with sales of $10,000 or more: Total (number)	Farms with sales of $10,000 or more: Relative standard error of estimate (percent)
Farms	number	51 172	(Z)	24 180	.1
Land in farms	acres	10 316 861	.1	8 230 453	.1
Average size of farm	acres	202	.2	340	.3
Value of land and buildings¹	$1,000	10 033 617	.6	7 682 766	.6
Average per farm	dollars	196 065	.6	318 259	.8
Average per acre	dollars	971	1.0	933	1.1
Estimated market value of all machinery and equipment¹	$1,000	2 347 585	.7	1 900 241	.7
Average per farm	dollars	45 954	.8	78 789	1.0
Farms by size:					
1 to 9 acres	farms	2 866	.6	744	1.1
	acres	11 310	.7	2 440	1.3
10 to 49 acres	farms	12 174	.2	1 694	.8
	acres	341 440	.3	48 150	.9
50 to 179 acres	farms	19 779	.2	7 596	.3
	acres	2 037 550	.2	880 010	.4
180 to 499 acres	farms	11 329	.3	9 249	.3
	acres	3 313 518	.3	2 785 803	.3
500 to 999 acres	farms	3 667	.4	3 559	.4
	acres	2 494 662	.4	2 426 246	.4
1,000 to 1,999 acres	farms	1 134	-	1 118	-
	acres	1 477 808	-	1 456 783	-
2,000 acres or more	farms	223	-	220	-
	acres	640 573	-	631 021	-
Total cropland	farms	48 653	.1	23 530	.1
	acres	8 181 320	.1	6 892 225	.1
Harvested cropland	farms	46 017	.1	23 175	.1
	acres	6 172 466	.1	5 457 771	.1
Acres harvested:					
1 to 9 acres	farms	5 544	.4	833	.7
	acres	26 770	.5	3 009	1.0
10 to 49 acres	farms	16 172	.2	2 769	.6
	acres	414 377	.2	80 827	.7
50 to 99 acres	farms	8 682	.3	4 682	.5
	acres	606 503	.4	345 031	.5
100 to 199 acres	farms	6 866	.4	6 183	.4
	acres	958 964	.4	875 790	.4
200 to 499 acres	farms	6 088	.4	6 043	.4
	acres	1 881 195	.4	1 870 455	.4
500 to 999 acres	farms	2 075	.3	2 075	.3
	acres	1 395 779	.3	1 395 779	.3
1,000 acres or more	farms	590	-	590	-
	acres	886 880	-	886 880	-
Cropland used only for pasture or grazing	farms	16 096	.2	7 009	.3
	acres	518 589	.4	310 215	.5
Other cropland	farms	27 660	.1	15 545	.2
	acres	1 490 263	.2	1 124 239	.2
Irrigated land	farms	3 755	.4	2 897	.4
	acres	314 953	.4	308 029	.4
Acres irrigated:					
1 to 9 acres	farms	1 495	.6	828	.7
	acres	4 441	.9	2 536	1.0
10 to 49 acres	farms	938	1.0	768	1.1
	acres	22 448	1.1	18 932	1.2
50 to 99 acres	farms	484	1.3	465	1.4
	acres	33 777	1.4	(D)	(D)
100 to 199 acres	farms	399	1.3	397	1.3
	acres	54 797	1.3	(D)	(D)
200 to 499 acres	farms	329	.8	329	.8
	acres	97 691	.8	97 691	.8
500 to 999 acres	farms	92	.5	92	.5
	acres	62 310	.7	62 310	.7
1,000 acres or more	farms	18	-	18	-
	acres	39 489	-	39 489	-
Market value of agricultural products sold	$1,000	2 545 078	.1	2 454 599	.1
Average per farm	dollars	49 736	.2	101 514	.2
Value of sales:					
Less than $2,500	farms	12 670	.2	-	-
	$1,000	12 162	.3	-	-
$2,500 to $4,999	farms	6 774	.4	-	-
	$1,000	24 414	.4	-	-
$5,000 to $9,999	farms	7 548	.4	-	-
	$1,000	53 904	.4	-	-
$10,000 to $24,999	farms	8 460	.3	8 460	
	$1,000	135 085	.3	135 085	
$25,000 to $49,999	farms	5 002	.5	5 002	
	$1,000	177 359	.5	177 359	
$50,000 to $99,999	farms	4 322	.5	4 322	
	$1,000	310 133	.5	310 133	
$100,000 or more	farms	6 396	.2	6 396	
	$1,000	1 832 021	.1	1 832 021	
Sales by commodity or commodity group:	farms	36 875	.1	19 793	
Crops, including nursery and greenhouse crops	$1,000	1 272 802	.1	1 214 834	
Grains	$1,000	578 016	.2	543 794	
Corn for grain	$1,000	264 853	.2	269 871	
Wheat	$1,000	42 448	.3	39 358	
Soybeans	$1,000	172 993	.3	160 825	
Sorghum for grain	$1,000	40	4.7	34	
Barley	$1,000	2 527	1.2	2 386	
Oats	$1,000	12 767	.5	10 807	
Other grains	$1,000	62 389	.4	60 514	

See footnotes at end of table.

Table D. **Reliability Estimates of State Totals: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		All farms		Farms with sales of $10,000 or more	
		Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)
Sales by commodity or commodity group—Con.					
Crops, including nursery and greenhouse crops—Con.					
Cotton and cottonseed	$1,000	-	-	-	-
Tobacco	$1,000	-	-	-	-
Hay, silage, and field seeds	$1,000	53 956	.5	40 478	.6
Vegetables, sweet corn, and melons	$1,000	136 925	.3	133 613	.3
Fruits, nuts, and berries	$1,000	163 847	.4	159 029	.4
Nursery and greenhouse crops	$1,000	215 912	-	214 180	-
Other crops	$1,000	124 146	.4	123 741	.3
Livestock, poultry, and their products	farms	25 616	.2	13 680	.2
	$1,000	1 272 276	.1	1 239 765	.1
Poultry and poultry products	$1,000	116 432	.2	115 848	.2
Dairy products	$1,000	568 249	.2	567 653	.2
Cattle and calves	$1,000	320 270	.2	300 282	.2
Hogs and pigs	$1,000	226 148	.3	221 776	.3
Sheep, lambs, and wool	$1,000	5 632	1.5	3 719	2.1
Other livestock and livestock products (see text)	$1,000	35 546	.8	30 488	.9
Farms by standard industrial classification:					
Cash grains (011)	farms	15 745	.2	7 903	.3
	acres	3 960 728	.2	3 285 018	.3
Field crops, except cash grains (013)	farms	5 654	.4	1 499	.8
	acres	948 433	.5	567 800	.6
Vegetables and melons (016)	farms	1 758	.7	991	.9
	acres	247 069	.7	213 710	.7
Fruits and tree nuts (017)	farms	3 307	.5	1 724	.6
	acres	383 998	.5	312 399	.5
Horticultural specialties (018)	farms	1 311	-	900	-
	acres	84 998	-	72 980	-
General farms, primarily crop (019)	farms	2 184	.7	637	1.3
	acres	399 316	.8	280 254	1.0
Livestock, except dairy, poultry, and animal specialties (021)	farms	12 124	.3	4 516	.5
	acres	1 945 455	.3	1 293 877	.4
Dairy farms (024)	farms	5 199	.4	5 083	.4
	acres	1 963 269	.3	1 955 461	.3
Poultry and eggs (025)	farms	455	1.5	204	1.8
	acres	53 672	1.5	43 339	1.6
Animal specialties (027)	farms	2 931	.6	410	1.8
	acres	139 629	1.2	36 232	1.8
General farms, primarily livestock and animal specialties (029)	farms	504	1.5	313	1.8
	acres	190 294	1.1	163 383	1.2
Farms by type of organization:					
Individual or family (sole proprietorship)	farms	45 166	.1	19 824	.1
	acres	7 848 652	.1	5 918 327	.2
Partnership	farms	4 662	.5	3 356	.5
	acres	1 851 919	.3	1 735 591	.4
Corporation	farms	1 167	.7	923	.7
	acres	557 706	.5	530 748	.5
Other—cooperative, estate or trust, institutional, etc.	farms	177	2.5	77	3.5
	acres	58 584	1.8	45 787	1.8
Tenure of operator:					
Full owners	farms	31 186	.1	9 853	.3
	acres	3 461 112	.2	1 900 101	.3
Part owners	farms	16 903	.2	12 606	.2
	acres	6 298 444	.2	5 853 682	.2
Tenants	farms	3 083	.6	1 721	.9
	acres	557 305	.7	476 670	.8
Operators by principal occupation:					
Farming	farms	26 112	.1	17 769	.1
	acres	7 810 930	.1	7 002 681	.1
Other	farms	25 060	.1	6 411	.4
	acres	2 505 931	.3	1 227 772	.5
Operators by sex:					
Male	farms	48 458	.1	23 401	.1
	acres	10 026 658	.1	8 057 422	.1
Female	farms	2 714	.6	779	1.2
	acres	290 203	1.0	173 031	1.4
Average age of operator	years	50.9	.2	49.6	.2
Cropland under federal acreage reduction programs:					
Annual commodity acreage adjustment programs	farms	16 012	.2	12 105	.2
	acres	751 325	.2	701 409	.2
Conservation reserve program	farms	851	1.2	428	1.5
	acres	38 874	1.4	23 015	1.5
Government payments:					
Amount received in cash	$1,000	110 533	.3	104 237	.3
Value of certificates received	$1,000	112 937	.2	105 098	.2
Net cash return from agricultural sales[1]:					
Net cash return from agricultural sales for the farm unit (see text)	farms	51 175	.1	24 140	.1
	$1,000	319 953	1.7	399 363	1.3
Average per farm	dollars	6 252	2.1	16 544	1.8
Farms with net gains[2]	number	21 623	.2	16 210	.2
	$1,000	507 956	.7	498 843	.7
Farms with net losses	number	29 552	.1	7 930	.4
	$1,000	188 003	1.3	99 480	1.8
Total farm production expenses[1]	farms	51 175	.1	24 140	.1
	$1,000	2 211 823	.3	2 042 052	.3
Livestock and poultry purchased	farms	15 088	1.5	8 461	1.7
	$1,000	190 386	1.0	180 306	1.0
Feed for livestock and poultry	farms	23 220	1.0	12 579	1.1
	$1,000	273 192	.7	263 136	.7
Seeds, bulbs, plants, and trees	farms	35 507	.6	21 170	.5
	$1,000	111 895	.6	105 482	.6
Commercial fertilizer	farms	37 298	.6	21 591	.5
	$1,000	194 526	.7	182 585	.7

See footnotes at end of table.

Table D. **Reliability Estimates of State Totals: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms		Farms with sales of $10,000 or more	
	Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)
Total farm production expenses—Con.				
Agricultural chemicals farms	35 505	.6	21 167	.5
$1,000	119 993	.8	112 523	.8
Petroleum products farms	48 558	.2	23 778	.2
$1,000	120 621	.5	107 628	.6
Electricity farms	38 590	.6	21 456	.5
$1,000	47 789	.6	42 935	.6
Hired farm labor farms	18 134	1.2	12 914	1.2
$1,000	242 445	.7	239 077	.7
Contract labor farms	4 652	2.8	2 974	3.2
$1,000	27 733	2.1	26 327	2.1
Repair and maintenance farms	43 440	.4	22 485	.4
$1,000	152 652	.6	133 994	.6
Customwork, machine hire, and rental of machinery and equipment farms	17 732	1.3	10 837	1.5
$1,000	34 043	1.4	30 636	1.5
Interest farms	25 197	1.0	16 357	1.0
$1,000	197 966	.8	179 736	.8
Cash rent farms	15 070	1.3	11 926	1.3
$1,000	101 910	1.3	98 728	1.3
Property taxes farms	48 191	.3	22 580	.4
$1,000	157 280	.6	114 879	.7
All other farm production expenses farms	46 587	.3	24 126	.1
$1,000	239 391	.6	224 079	.6
Livestock and poultry:				
Cattle and calves inventory farms	19 436	.2	10 722	.2
number	1 163 352	.2	1 043 744	.2
Beef cows farms	8 163	.3	2 692	.6
number	110 156	.6	64 299	.9
Milk cows farms	6 499	.4	5 759	.4
number	344 550	.3	341 758	.3
Cattle and calves sold farms	18 164	.2	10 741	.2
number	653 806	.2	602 829	.2
Hogs and pigs inventory farms	5 577	.4	3 527	.5
number	1 227 069	.4	1 184 269	.4
Hogs and pigs sold farms	5 603	.4	3 677	.5
number	2 215 872	.4	2 160 538	.4
Sheep and lambs inventory farms	2 057	.7	720	1.3
number	101 330	1.3	60 443	2.0
Sheep and lambs sold farms	1 979	.8	709	1.3
number	77 152	1.4	49 391	2.0
Hens and pullets of laying age inventory farms	3 490	.6	1 052	1.0
number	7 152 993	.3	7 079 146	.3
Broilers and other meat-type chickens sold farms	495	1.6	178	2.8
number	702 431	7.3	664 443	7.6
Horses and ponies inventory farms	9 065	.3	2 314	.7
number	56 836	.6	15 138	1.3
Selected crops harvested:				
Corn for grain or seed farms	25 140	.1	16 442	.1
acres	1 982 401	.2	1 827 118	.2
bushels	189 779 819	.2	178 509 320	.2
Wheat for grain farms	10 327	.3	7 688	.3
acres	356 073	.3	320 410	.3
bushels	16 465 394	.3	15 130 595	.3
Soybeans for beans [illegible]	12 734	.2	8 667	.2
acres	1 023 599	.3	924 718	.3
bushels	36 267 622	.3	33 517 222	.3
Dry edible beans, excluding dry limas farms	4 098	.4	3 395	.4
acres	383 687	.4	368 232	.4
cwt	4 931 689	.5	4 774 078	.5
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) farms	25 983	.1	12 331	.2
acres	1 436 630	.2	1 103 207	.2
tons, dry	3 323 175	.2	2 778 521	.3
Vegetables harvested for sale (see text) farms	3 267	.5	2 097	.6
acres	139 145	.4	133 359	.4
Land in orchards farms	3 791	.5	1 922	.6
acres	161 567	.5	145 743	.5

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[1] Data are based on a sample of farms.

[2] Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains.

Table E. **Reliability Estimates of Percent Change in State Totals: 1982 to 1987**

[For meaning of abbreviations and symbols, see introductory text]

Item		All farms		Farms with sales of $10,000 or more	
		Percent change	Standard error of estimate (percent)	Percent change	Standard error of estimate (percent)
Farms	number	-12.8	.1	-15.0	.2
Land in farms	acres	-5.7	.1	-5.6	.1
Value of land and buildings[1]:					
Average per farm	dollars	-14.1	.8	-15.9	.9
Total cropland	farms	-13.6	.1	-15.8	.2
	acres	-3.3	.1	-3.6	.1
Harvested cropland	farms	-14.4	.1	-16.1	.2
	acres	-14.9	.1	-15.1	.1
Irrigated land	farms	18.1	.5	18.0	.5
	acres	10.1	.4	9.5	.4
Market value of agricultural products sold	farms	-12.8	.1	-15.0	.2
	$1,000	-1.7	.1	-1.0	.1
Crops, including nursery and greenhouse crops	farms	-16.3	.1	-18.8	.2
	$1,000	-6.7	.1	-6.3	.1
Livestock, poultry, and their products	farms	-16.7	.2	-15.7	.2
	$1,000	4.0	.2	4.7	.2
Poultry and poultry products	farms	-33.5	.5	-33.4	.8
	$1,000	14.9	.3	15.3	.3
Selected farm production expenses[1]:					
Livestock and poultry purchased	farms	-10.5	1.9	.3	2.6
	$1,000	12.0	1.9	12.4	2.0
Feed for livestock and poultry	farms	-14.6	1.2	-10.1	1.6
	$1,000	7.1	1.3	9.1	1.4
Seeds, bulbs, plants, and trees	farms	-15.1	.7	-16.2	.7
	$1,000	6.4	1.0	7.2	1.0
Commercial fertilizer[2]	farms	-13.3	.7	-14.7	.7
	$1,000	-19.6	.8	-20.0	.8
Agricultural chemicals[2]	farms	-5.3	.9	-12.2	.8
	$1,000	5.1	1.2	4.1	1.2
Hired farm labor	farms	-15.9	1.4	-13.0	1.5
	$1,000	30.1	1.4	33.2	1.4
Interest[3]	farms	-7.3	1.3	-12.4	1.2
	$1,000	-27.7	.9	-29.7	.9
Livestock and poultry inventory:					
Cattle and calves	farms	-24.2	.2	-19.3	.2
	number	-13.6	.2	-10.6	.2
Hogs and pigs	farms	-25.0	.3	-15.4	.5
	number	15.3	.5	17.5	.5
Hens and pullets of laying age	farms	-36.9	.3	-39.3	.6
	number	8.3	.3	9.5	.3
Selected crops harvested:					
Corn for grain or seed	farms	-18.4	.1	-18.8	.2
	acres	-22.8	.1	-23.4	.1
Sorghum for grain or seed	farms	3.3	5.3	-8.0	5.3
	acres	-23.0	3.0	-27.4	3.0
Wheat for grain	farms	-33.0	.2	-31.0	.2
	acres	-30.7	.2	-29.4	.2
Soybeans for beans	farms	-14.6	.3	-13.1	.3
	acres	-8.8	.3	-7.7	.3
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	-8.9	.2	-12.5	.2
	acres	5.2	.2	6.4	.3
Vegetables harvested for sale (see text)	farms	-10.1	.5	-.2	.6
	acres	10.2	.4	12.2	.5
Land in orchards	farms	-11.4	.4	-8.2	.6
	acres	-2.2	.5	-1.5	.6

[1] Data are based on a sample of farms.
[2] Data for 1987 include cost of custom applications.
[3] Data for 1982 do not include imputation for item nonresponse.

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Table F. **Reliability Estimates of County Totals: 1987**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farms		Land in farms		Average value of land and buildings per farm[1]		Estimated market value of all machinery and equipment[1]		Harvested cropland		Irrigated land	
	Total (number)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)
Alcona	229	.6	43 436	2.1	90 751	4.4	7 268	28.1	14 390	2.2	(D)	(D)
Alger	63	1.4	16 140	3.3	104 095	(Z)	2 223	(Z)	6 209	6.2	17	14.0
Allegan	1 834	.2	253 646	.5	184 433	3.8	82 030	3.5	147 135	.5	9 965	2.7
Alpena	424	.5	82 201	1.3	131 278	3.6	15 610	7.1	34 589	1.7	131	10.4
Antrim	248	.5	55 114	1.1	182 698	4.7	12 157	7.6	24 329	1.1	3 997	1.1
Arenac	332	.5	89 470	1.1	203 569	5.7	16 225	4.7	52 407	1.5	1 143	1.4
Baraga	57	1.4	13 902	2.9	95 070	(Z)	1 602	(Z)	4 360	3.5	(D)	(D)
Barry	908	.3	168 493	.8	167 471	3.3	32 234	4.3	83 610	1.0	2 716	1.5
Bay	922	.3	177 185	.6	233 235	6.9	54 405	6.0	136 207	.6	6 630	1.4
Benzie	149	.5	22 966	1.7	133 966	4.0	3 798	3.3	7 778	1.9	602	6.8
Berrien	1 479	.2	179 660	.7	148 279	4.8	57 607	3.3	114 106	.7	9 208	1.2
Branch	1 034	.4	227 375	.8	171 692	3.7	45 186	4.8	127 157	1.0	22 965	2.1
Calhoun	1 166	.3	253 383	.8	151 013	3.9	44 221	4.1	132 224	.9	8 453	2.5
Cass	839	.3	194 464	.7	225 368	5.2	41 354	3.3	108 530	.8	12 406	2.4
Charlevoix	232	.6	41 812	1.9	130 552	3.5	6 353	16.2	15 537	2.6	63	22.8
Cheboygan	171	.8	42 363	2.4	140 436	4.9	6 929	8.9	15 973	3.0	31	19.7
Chippewa	336	.4	89 168	1.0	92 444	3.9	10 813	13.8	41 351	1.3	51	19.6
Clare	298	.6	67 824	1.7	154 661	6.4	7 565	12.1	28 462	1.4	(D)	(D)
Clinton	1 333	.3	256 811	.5	183 236	3.8	60 277	4.0	175 630	.6	3 615	.6
Crawford	20	3.2	1 450	5.6	90 400	(Z)	(D)	(D)	(D)	(D)	3	18.3
Delta	271	.6	73 981	1.4	116 852	5.5	10 671	11.4	25 500	1.8	335	10.0
Dickinson	109	.9	28 967	2.7	153 064	5.4	6 921	10.7	10 132	3.3	542	12.1
Eaton	1 219	.3	233 517	.8	161 762	3.4	45 889	4.3	139 369	.9	1 286	4.6
Emmet	211	.5	44 850	1.3	156 156	6.7	6 782	10.0	16 124	1.6	349	3.0
Genesee	851	.3	145 269	.7	199 105	3.7	34 158	7.8	96 319	.7	1 713	.6
Gladwin	411	.6	68 285	1.6	112 221	3.7	10 484	9.3	30 587	2.1	17	31.2
Gogebic	58	.9	5 936	2.1	(D)	(D)	1 234	(Z)	2 233	3.5	3	14.9
Grand Traverse	447	.4	69 954	1.1	197 706	4.1	17 563	7.1	36 179	1.2	2 584	5.1
Gratiot	1 011	.4	262 467	.7	248 593	3.9	64 287	4.4	205 688	.7	1 648	6.3
Hillsdale	1 142	.3	242 353	.7	183 752	4.6	45 289	4.3	143 798	.8	4 316	.4
Houghton	147	.5	31 751	1.6	104 411	5.0	3 223	5.8	10 017	2.3	37	8.7
Huron	1 390	.3	424 427	.6	314 577	6.5	111 006	3.6	322 799	.7	1 585	7.5
Ingham	960	.3	207 726	.7	243 025	4.0	47 672	4.8	130 575	.7	1 844	2.7
Ionia	1 069	.3	253 500	.6	196 633	3.5	57 921	3.2	156 360	.6	3 792	3.2
Iosco	215	.7	47 988	1.2	136 259	3.8	6 968	8.3	17 051	1.6	(D)	(D)
Iron	95	.9	26 714	1.7	120 916	(Z)	2 840	(Z)	7 251	1.6	340	-
Isabella	912	.4	194 926	.9	157 111	7.4	34 981	3.1	122 657	1.0	1 443	6.3
Jackson	1 103	.3	218 375	.8	174 618	4.3	46 567	4.4	112 986	.9	4 720	3.9
Kalamazoo	842	.3	168 310	.7	234 532	3.4	35 347	3.5	94 047	.9	15 162	1.8
Kalkaska	89	1.5	16 318	3.1	127 281	(Z)	2 863	(Z)	5 801	4.3	1 149	5.8
Kent	1 368	.2	203 842	.6	202 820	4.5	58 717	3.6	121 233	.6	7 445	.9
Keweenaw	2	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
Lake	111	1.4	18 555	2.6	117 613	5.1	2 460	10.5	6 030	4.3	-	-
Lapeer	1 228	.3	218 779	.8	212 324	8.1	55 583	3.7	126 110	.8	3 869	3.1
Leelanau	394	.4	65 482	.8	274 972	5.3	23 260	10.2	27 130	1.0	2 292	3.5
Lenawee	1 387	.2	344 801	.5	297 357	7.0	76 501	2.7	254 847	.5	3 131	1.6
Livingston	769	.3	128 511	.7	221 727	5.2	28 611	5.3	71 499	.9	1 768	1.7
Luce	34	2.3	10 637	4.5	138 735	(Z)	1 087	(Z)	3 115	6.4	(D)	(D)
Mackinac	80	1.2	24 583	2.1	119 413	(Z)	2 343	(Z)	9 248	2.4	(D)	(D)
Macomb	667	.4	79 683	1.2	232 754	4.3	28 463	7.4	54 241	1.6	2 054	1.8
Manistee	280	.5	46 747	1.1	133 804	3.4	9 167	10.1	18 203	1.3	3 676	1.8
Marquette	101	.8	24 484	2.3	114 109	4.4	3 210	11.3	6 026	3.3	5	21.0
Mason	426	.5	76 193	1.1	135 915	5.2	16 816	6.9	36 968	1.2	2 266	2.9
Mecosta	639	.4	127 078	.9	114 324	3.3	21 045	10.9	59 270	1.1	4 046	1.8
Menominee	374	.4	118 338	.9	142 543	4.9	16 583	7.6	50 188	1.0	(D)	(D)
Midland	459	.4	94 465	1.2	183 545	2.4	20 323	8.5	59 020	1.3	603	2.0
Missaukee	304	.5	87 314	.8	181 482	3.2	19 206	3.7	49 400	.9	2 018	3.0
Monroe	1 256	.3	220 274	.7	231 708	4.5	57 134	4.1	177 632	.7	2 181	1.6
Montcalm	980	.3	238 387	.8	174 925	4.0	43 849	4.0	133 416	.9	28 987	.8
Montmorency	108	1.2	24 040	3.0	140 841	5.0	3 720	7.9	9 482	4.9	(D)	(D)
Muskegon	460	.4	82 224	.9	185 757	3.9	23 340	9.5	44 267	1.0	6 094	1.1
Newaygo	687	.3	115 937	.9	142 818	5.5	35 694	9.6	60 726	1.0	4 767	1.9
Oakland	596	.4	60 358	1.8	211 653	4.8	22 346	12.8	32 533	2.5	1 002	3.0
Oceana	686	.4	133 115	.9	199 690	4.7	31 515	4.7	61 720	.9	3 927	2.5
Ogemaw	288	.7	78 200	1.1	193 406	4.1	15 360	10.3	39 659	1.6	44	11.5
Ontonagon	117	1.0	36 507	1.9	111 590	3.5	2 704	6.4	11 950	2.8	(D)	(D)
Osceola	503	.4	111 662	1.0	156 950	16.1	18 884	7.1	51 682	1.3	739	.9
Oscoda	84	.8	17 167	2.2	145 048	(Z)	2 081	(Z)	6 250	3.5	(D)	(D)
Otsego	133	1.1	39 788	2.0	163 812	4.3	4 715	6.5	12 121	2.4	580	4.7
Ottawa	1 471	.2	177 894	.6	207 266	4.4	76 939	3.1	112 721	.6	10 537	1.4
Presque Isle	293	.6	81 681	1.5	138 939	4.6	14 529	6.8	37 031	1.7	1 112	4.7
Roscommon	31	2.5	4 159	4.2	110 548	(Z)	480	(Z)	1 396	3.3	(D)	(D)
Saginaw	1 424	.2	308 269	.5	230 051	3.9	70 332	4.1	246 217	.5	2 042	2.8
St. Clair	1 092	.3	177 068	.9	174 973	4.8	43 288	4.8	107 002	1.0	343	8.2
St. Joseph	880	.4	213 857	.7	248 265	5.2	49 071	4.7	136 100	.8	3 989	1.2
Sanilac	1 559	.3	431 199	.5	213 511	4.2	94 820	2.8	303 733	.6	1 997	3.3
Schoolcraft	52	2.1	(D)	(D)	109 731	(Z)	1 430	(Z)	5 499	6.5	(D)	(D)
Shiawassee	1 160	.3	240 357	.9	177 809	5.0	51 033	5.1	165 476	.9	1 241	12.9
Tuscola	1 207	.3	328 705	.5	278 930	3.6	72 360	3.0	243 649	.5	2 781	1.9
Van Buren	1 276	.2	190 251	.6	164 920	3.7	56 920	2.7	103 657	.8	23 763	.7
Washtenaw	1 222	.3	204 272	.8	253 187	4.3	56 582	6.3	131 246	.9	4 181	4.0
Wayne	334	.6	22 196	2.1	211 171	5.2	9 932	7.3	14 654	2.8	734	2.5
Wexford	178	.6	31 103	1.6	97 118	3.0	4 303	11.6	12 263	2.0	106	3.8

See footnotes at end of table.

Table F. **Reliability Estimates of County Totals: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Cattle and calves inventory		Hogs and pigs inventory		Corn for grain or seed		Wheat for grain		Soybeans for beans		Market value of agricultural products sold	
	Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Alcona	5 559	4.3	(D)	(D)	1 537	2.6	488	5.1	(D)	(D)	3 860	2.5
Alger	2 119	4.9	(D)	(D)	138	29.7	-	-	-	-	1 633	6.6
Allegan	42 969	.9	106 904	1.0	69 009	.7	6 329	1.6	5 452	2.2	120 484	.3
Alpena	10 740	2.7	702	22.4	3 373	4.0	803	6.2	487	13.4	9 935	2.4
Antrim	6 022	2.0	2 570	13.5	4 439	2.9	1 031	2.7	-	-	11 491	1.1
Arenac	7 621	3.3	5 661	6.1	11 538	1.7	3 559	3.2	4 476	3.0	16 412	1.2
Baraga	1 355	2.7	(D)	(D)	53	.6	-	-	-	-	785	2.6
Barry	24 470	1.3	18 377	3.8	31 050	1.3	7 953	1.8	9 066	2.6	30 445	.9
Bay	4 683	1.7	1 843	11.4	35 358	.8	4 179	1.9	20 318	1.5	43 769	.5
Benzie	1 562	5.7	954	6.6	705	5.7	25	25.6	-	-	3 833	1.4
Berrien	7 424	2.2	21 656	2.6	38 166	1.1	5 524	1.9	26 110	1.3	63 420	.5
Branch	20 883	1.3	56 792	2.3	68 339	1.1	7 210	2.1	33 447	1.4	49 257	.6
Calhoun	25 732	1.8	35 064	1.9	64 654	1.1	13 774	1.4	20 783	1.9	42 304	.7
Cass	10 140	2.4	168 766	.6	58 818	1.0	5 783	1.8	20 868	1.6	59 320	.4
Charlevoix	4 513	2.6	1 045	17.7	2 563	3.1	67	9.7	-	-	4 220	1.6
Cheboygan	6 404	3.6	598	10.8	724	10.2	236	14.6	-	-	4 568	2.6
Chippewa	8 462	2.4	446	10.6	161	13.7	178	11.1	-	-	6 725	1.9
Clare	10 628	2.3	7 479	5.1	3 639	2.6	845	4.4	81	16.5	8 663	1.8
Clinton	39 306	1.0	31 191	1.5	50 452	.7	15 533	1.2	51 849	1.0	62 190	.6
Crawford	(D)	(D)	(D)	(D)	(D)	(D)	-	-	-	-	(D)	(D)
Delta	8 309	2.0	1 846	7.3	1 159	3.2	-	-	(D)	(D)	8 330	1.6
Dickinson	2 817	5.[illegible]	389	25.2	443	12.9	-	-	-	-	4 426	3.6
Eaton	19 266	1.7	25 265	5.0	50 111	1.0	19 606	1.3	26 357	1.9	38 658	.8
Emmet	6 062	1.6	310	9.9	2 186	2.4	129	7.6	-	-	4 655	1.9
Genesee	14 423	.8	14 203	2.2	36 725	1.0	5 450	1.5	26 676	1.3	29 481	.4
Gladwin	8 922	2.3	2 709	7.5	6 303	3.5	1 519	4.3	1 433	13.6	6 929	2.3
Gogebic	554	5.2	(D)	(D)	-	-	-	-	-	-	936	2.6
Grand Traverse	4 592	2.5	3 996	7.1	6 404	2.6	1 446	3.4	-	-	12 967	1.2
Gratiot	29 895	1.1	21 543	2.6	61 687	.9	9 273	1.8	54 987	1.4	66 273	.5
Hillsdale	26 296	1.5	43 153	2.3	69 648	1.0	8 096	1.5	34 700	1.5	53 206	.6
Houghton	2 229	3.7	24	9.8	309	12.9	-	-	-	-	2 252	3.7
Huron	74 370	.8	44 207	2.3	95 978	1.0	23 356	1.4	5 097	3.4	145 602	.4
Ingham	25 973	1.3	27 422	2.5	55 236	1.1	13 538	1.2	21 620	1.4	46 181	.6
Ionia	38 642	.9	35 059	1.8	54 841	.8	16 262	1.1	22 178	1.2	69 853	.5
Iosco	8 937	1.5	1 423	3.9	2 641	2.1	385	5.7	135	-	6 596	1.1
Iron	2 097	2.2	127	27.6	-	-	(D)	(D)	-	-	1 633	1.1
Isabella	31 312	1.5	18 774	5.2	33 545	1.6	8 281	2.9	11 526	3.6	39 467	.9
Jackson	28 835	1.2	58 450	1.9	55 799	1.0	9 052	1.6	5 209	3.0	45 964	.6
Kalamazoo	13 178	1.4	25 702	2.7	43 636	1.0	10 528	1.6	20 673	1.7	64 511	.3
Kalkaska	1 052	10.3	1 166	29.7	1 343	6.[illegible]	511	3.0	(D)	(D)	2 306	5.2
Kent	34 672	.9	17 065	3.1	39 847	1.1	5 565	1.6	2 520	2.4	82 983	.4
Keweenaw	(D)	(D)	-	-	-	-	-	-	-	-	-	-
Lake	1 909	6.2	329	15.1	256	6.7	(D)	(D)	-	-	1 283	6.8
Lapeer	30 285	1.6	9 591	5.7	46 531	1.1	4 966	1.9	7 665	2.9	55 582	.7
Leelanau	3 862	[illegible]	1 112	12.1	3 121	2.7	207	1.7	(D)	(D)	15 151	1.0
Lenawee	29 033	1.2	37 611	1.8	92 890	.6	19 552	1.0	106 999	.7	78 772	.4
Livingston	18 903	1.2	5 553	3.7	28 864	1.1	5 449	1.6	4 428	2.6	30 418	.7
Luce	1 365	6.1	(D)	(D)	(D)	(D)	(D)	(D)	-	-	861	3.8
Mackinac	3 597	3.1	(D)	(D)	(D)	(D)	154	6.1	-	-	2 653	2.4
Macomb	5 508	2.7	3 885	4.1	15 496	1.9	1 926	2.4	17 103	3.0	30 471	.7
Manistee	2 999	3.5	670	8.0	1 496	2.8	460	5.8	-	-	9 370	1.3
Marquette	1 569	3.1	(D)	(D)	(D)	(D)	-	-	-	-	1 783	2.6
Mason	7 897	2.2	4 196	8.7	7 959	2.0	1 550	4.9	206	14.2	15 715	1.1
Mecosta	17 567	1.4	8 959	3.9	11 825	1.6	1 867	5.3	125	28.3	19 039	1.2
Menominee	18 636	1.1	875	2.4	6 524	1.6	(D)	(D)	(D)	(D)	17 869	1.0
Midland	6 910	1.6	5 777	5.7	19 602	1.4	2 168	3.3	15 769	2.5	15 328	1.2
Missaukee	21 621	1.0	3 242	2.7	4 236	2.3	361	8.2	-	-	22 751	.6
Monroe	8 842	1.6	14 842	2.1	56 040	.9	8 510	1.8	95 473	.9	58 894	.4
Montcalm	22 355	1.7	10 716	5.8	41 000	1.2	12 634	2.0	6 639	3.9	48 704	.7
Montmorency	2 607	4.5	387	15.4	1 561	15.5	441	16.0	-	-	2 544	4.1
Muskegon	11 658	1.5	6 682	6.4	15 968	1.9	805	3.3	1 129	1.9	26 506	.6
Newaygo	19 977	1.1	6 696	8.8	17 133	1.4	1 039	5.8	(D)	(D)	31 697	.7
Oakland	5 119	4.1	1 570	23.8	14 268	3.4	1 707	4.4	1 277	24.0	22 154	.9
Oceana	12 490	1.6	10 435	4.1	8 599	2.0	1 003	2.4	(D)	(D)	35 442	.7
Ogemaw	14 074	1.9	1 362	16.4	6 848	2.3	1 090	6.1	(D)	(D)	12 011	1.6
Ontonagon	3 255	3.6	(D)	(D)	(D)	(D)	(D)	(D)	-	-	2 093	4.0
Osceola	18 264	1.6	2 904	4.5	4 509	3.1	458	5.8	260	37.2	15 922	1.3
Oscoda	2 740	3.5	278	14.0	290	11.0	-	-	-	-	2 599	3.6
Otsego	3 183	3.6	215	21.0	814	5.7	248	7.5	-	-	2 935	2.7
Ottawa	40 843	.9	90 617	1.5	42 328	1.1	2 011	2.0	1 148	6.9	182 950	.2
Presque Isle	9 669	2.0	(D)	(D)	2 839	3.4	1 194	4.6	-	-	11 562	1.5
Roscommon	326	7.4	(D)	(D)	(D)	(D)	-	-	-	-	189	4.3
Saginaw	14 622	1.2	7 252	5.5	61 461	.8	12 071	1.0	110 340	.7	63 362	.4
St. Clair	16 422	1.5	4 890	7.5	29 812	1.6	2 962	3.0	33 349	1.6	36 495	.8
St. Joseph	14 045	1.8	48 628	2.2	79 798	1.0	5 841	2.4	30 299	1.5	46 042	.7
Sanilac	65 275	.8	17 321	6.9	85 554	.8	13 372	1.6	38 961	1.9	97 533	.5
Schoolcraft	1 895	8.3	590	18.1	100	23.7	(D)	(D)	-	-	936	7.5
Shiawassee	20 691	1.7	14 626	4.8	41 765	1.2	10 916	1.8	68 441	1.5	38 425	.9
Tuscola	19 906	1.5	17 979	2.5	75 513	.6	16 309	.9	22 526	1.6	75 112	.4
Van Buren	10 700	1.5	56 167	1.2	35 282	1.0	4 209	1.5	9 684	4.0	69 624	.4
Washtenaw	26 113	1.4	24 052	3.2	53 481	1.2	13 052	1.4	18 349	2.4	47 697	.7
Wayne	353	8.6	614	4.6	4 127	3.8	422	13.5	6 610	4.9	16 798	.6
Wexford	3 152	3.0	544	5.4	1 733	6.5	347	10.8	-	-	3 156	2.4

See footnotes at end of table.

Table F. **Reliability Estimates of County Totals: 1987**—Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Selected farm production expenses[1]									
	Livestock and poultry purchased		Commercial fertilizer		Hired farm labor		Petroleum products		Electricity for the farm business	
	Total ($1,000)	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Alcona	543	37.8	120	19.0	138	10.0	198	12.4	89	18.2
Alger	123	(Z)	45	(Z)	263	(Z)	74	(Z)	57	(Z)
Allegan	11 437	3.4	5 487	3.9	15 971	1.6	4 315	2.1	2 618	2.5
Alpena	679	48.4	684	12.3	825	12.5	624	8.3	248	12.4
Antrim	667	7.5	791	11.9	1 183	10.4	450	8.1	203	7.5
Arenac	710	14.9	1 765	9.2	1 168	3.9	910	5.6	325	8.2
Baraga	70	(Z)	30	(Z)	42	-	58	(Z)	33	(Z)
Barry	2 163	16.1	2 319	5.0	2 030	6.8	1 511	3.5	678	4.1
Bay	387	16.2	6 628	3.1	2 778	3.9	2 810	4.5	551	5.9
Benzie	241	26.3	197	5.7	632	7.0	236	4.8	77	9.4
Berrien	1 818	10.9	4 016	5.4	12 181	3.5	3 045	2.6	1 062	3.0
Branch	5 300	1.9	3 850	3.7	3 198	1.1	2 259	3.0	843	3.6
Calhoun	4 122	7.2	3 643	4.5	3 565	3.5	2 371	3.4	837	4.4
Cass	3 823	8.7	3 402	4.6	4 767	3.9	2 286	3.4	907	2.9
Charlevoix	261	32.3	212	13.8	216	4.6	213	9.7	101	14.3
Cheboygan	172	5.9	270	10.2	395	2.7	243	5.3	113	7.9
Chippewa	483	22.7	149	14.6	336	12.0	290	9.9	164	17.2
Clare	1 004	38.3	437	19.5	424	6.9	407	12.2	237	9.8
Clinton	2 725	10.7	5 067	3.4	4 565	3.1	2 909	3.5	1 378	3.8
Crawford	(D)	(D)	4	-	(D)	(D)	(D)	(D)	(D)	(D)
Delta	225	27.0	528	16.1	627	9.3	561	15.9	247	8.3
Dickinson	59	17.4	280	10.8	542	6.0	223	8.0	102	9.8
Eaton	2 475	13.9	3 992	3.5	2 527	12.6	2 281	3.0	648	5.0
Emmet	233	24.4	278	11.2	314	16.9	248	14.5	111	15.9
Genesee	4 700	2.4	2 949	4.1	2 160	5.4	1 534	3.1	533	5.0
Gladwin	489	17.8	601	9.8	286	10.3	429	9.6	132	9.3
Gogebic	16	(Z)	11	-	110	-	40	-	16	(Z)
Grand Traverse	655	20.7	856	13.3	2 249	11.1	764	5.5	271	6.2
Gratiot	6 070	1.9	7 541	4.0	4 109	4.2	3 305	2.7	870	3.3
Hillsdale	6 999	5.6	4 893	7.6	3 132	5.3	2 399	4.2	960	4.4
Houghton	62	24.0	118	9.3	180	15.0	147	7.8	49	7.1
Huron	27 475	1.3	14 206	2.7	7 253	1.9	5 890	3.1	2 018	2.9
Ingham	2 940	6.4	4 238	4.8	4 422	3.4	2 485	3.9	1 101	5.7
Ionia	3 963	10.6	5 106	2.7	6 217	5.5	2 642	2.5	1 485	2.8
Iosco	(D)	(D)	310	20.2	290	6.2	279	15.7	140	10.7
Iron	55	(Z)	136	(Z)	239	-	112	(Z)	36	(Z)
Isabella	3 335	19.3	3 538	8.1	2 278	7.2	2 027	4.1	808	3.6
Jackson	6 057	4.8	2 906	4.3	3 787	4.6	1 916	3.3	951	2.9
Kalamazoo	3 761	4.4	2 808	3.8	8 224	.7	3 032	1.8	1 265	2.8
Kalkaska	55	(Z)	245	(Z)	192	(Z)	162	(Z)	69	(Z)
Kent	3 129	16.1	3 911	5.3	13 477	2.3	3 949	2.4	1 580	2.3
Keweenaw	-	-	-	-	-	-	(D)	(D)	(D)	(D)
Lake	109	30.4	54	17.8	55	19.9	91	10.1	45	18.1
Lapeer	4 199	3.4	4 303	4.5	5 858	2.7	2 821	1.9	1 428	3.5
Leelanau	904	20.6	1 043	11.4	2 566	10.5	868	11.0	266	7.4
Lenawee	7 564	5.3	8 308	1.9	4 199	1.1	3 659	2.1	1 077	3.3
Livingston	2 113	7.5	2 258	7.1	2 883	13.4	1 553	10.7	752	9.2
Luce	186	(Z)	35	(Z)	40	(Z)	80	(Z)	23	(Z)
Mackinac	127	(Z)	80	(Z)	207	(Z)	118	(Z)	72	(Z)
Macomb	516	26.1	1 721	6.4	4 086	4.1	2 300	4.0	612	6.6
Manistee	125	20.8	452	5.9	1 566	3.5	388	6.4	197	4.1
Marquette	50	23.2	84	8.9	120	12.7	135	9.7	57	9.2
Mason	854	27.4	1 014	10.9	1 671	12.8	700	7.5	273	7.1
Mecosta	888	21.8	1 030	7.4	1 011	9.6	868	4.7	432	6.8
Menominee	659	18.7	924	5.3	1 128	4.3	678	5.0	463	6.2
Midland	2 063	2.8	1 708	7.1	662	2.4	791	6.3	191	9.6
Missaukee	1 290	9.0	1 052	3.7	1 528	1.5	760	4.6	581	4.2
Monroe	5 010	5.9	5 711	4.3	6 411	9.0	3 266	4.7	778	3.4
Montcalm	1 585	7.8	4 453	3.9	5 036	3.0	2 450	3.5	1 130	3.7
Montmorency	179	33.9	181	11.4	170	13.3	150	6.0	66	13.4
Muskegon	1 838	3.6	1 287	8.2	3 612	6.2	1 325	5.7	598	10.4
Newaygo	1 400	13.0	1 794	6.4	2 913	7.9	1 442	7.0	801	3.6
Oakland	351	23.8	886	13.3	3 017	7.5	1 501	8.0	540	11.2
Oceana	1 542	5.5	2 225	3.5	6 477	7.1	1 440	3.1	511	4.2
Ogemaw	890	13.7	655	8.6	804	13.6	609	7.7	359	12.6
Ontonagon	99	26.4	51	11.8	112	15.4	112	8.5	71	9.6
Osceola	449	13.9	752	4.8	960	3.1	749	6.6	395	5.0
Oscoda	192	(Z)	113	(Z)	178	(Z)	110	(Z)	62	(Z)
Otsego	441	13.0	151	11.4	193	26.8	174	6.8	56	10.7
Ottawa	16 188	2.4	4 408	5.2	24 745	1.8	4 929	3.4	2 654	2.1
Presque Isle	688	21.2	1 000	11.4	1 039	6.0	671	9.1	217	12.9
Roscommon	3	(Z)	6	-	(D)	(D)	(D)	(D)	7	-
Saginaw	2 413	7.8	8 195	3.3	2 828	3.5	3 553	2.7	794	3.5
St. Clair	4 565	6.1	2 670	5.5	2 419	3.5	2 176	3.5	721	6.1
St. Joseph	2 232	9.2	4 518	2.7	3 071	6.5	2 431	3.1	1 009	2.8
Sanilac	5 584	6.0	10 156	2.1	5 829	3.4	4 795	2.6	2 054	2.9
Schoolcraft	68	(Z)	76	(Z)	42	(Z)	90	(Z)	29	(Z)
Shiawassee	1 723	7.8	4 129	5.7	1 881	8.9	2 344	3.9	854	4.7
Tuscola	2 408	8.1	9 813	2.6	4 776	2.4	4 137	2.6	1 118	4.0
Van Buren	2 176	11.9	3 557	3.5	12 614	3.3	2 805	2.0	1 130	2.4
Washtenaw	5 121	11.0	4 373	7.2	4 374	4.1	2 565	3.9	976	5.2
Wayne	72	44.8	582	7.5	3 891	3.6	1 138	1.9	363	5.4
Wexford	102	15.7	151	9.4	176	1.6	182	11.4	113	22.4

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[1] Data are based on a sample of farms.

Table G. **State Coverage Evaluation Estimates of Farms Not on the Mail List: 1987**

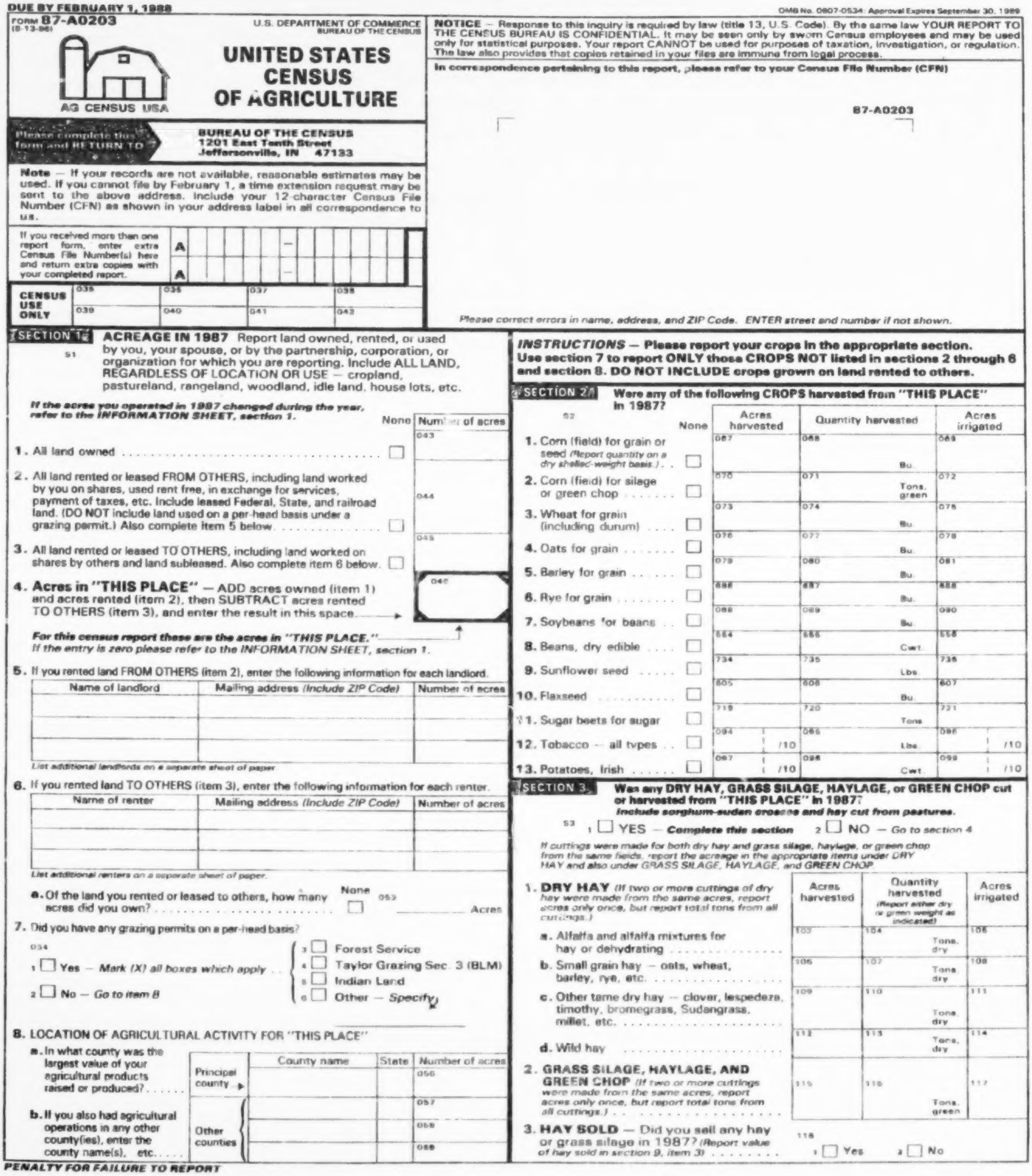
[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Item		Not on mail list		Percent not on mail list	
		Total number	Relative standard error of estimate (percent)	Total percent	Standard error of percent
Farms	number	8 711	4.2	14.5	.6
Land in farms	acres	442 047	27.8	4.1	1.1
Farms by size:					
Less than 50 acres	farms	6 340	4.2	29.7	1.2
50 acres or more	farms	2 371	10.4	6.2	.6
Harvested cropland	farms	6 159	12.2	11.8	1.4
	acres	175 467	47.0	2.8	1.3
Farms by value of sales:					
Less than $2,500	farms	7 382	3.9	36.8	1.4
$2,500 or more	farms	1 329	16.8	3.3	.6
$2,500 to $9,999	farms	(S)	(S)	(S)	(S)
$10,000 or more	farms	(S)	(S)	(S)	(S)
Market value of agricultural products sold	$1,000	15 193	43.0	.6	.3
Farms by standard industrial classification:					
Crops (01)	farms	3 167	3.1	9.6	.3
Livestock (02)	farms	5 544	6.0	20.7	1.2
Farms by tenure of operator:					
Full owners	farms	7 346	4.8	19.1	.9
Part owners and tenants	farms	1 365	3.1	6.4	.2
Operators by principal occupation:					
Farming	farms	1 929	7.7	6.9	.5
Other	farms	6 782	4.5	21.3	1.0
Average age of operator	years	48.1	(Z)	(X)	(X)

Note 1: Farms classified as nonfarms, nonfarms classified as farms, and farms appearing more than once in the census are not accounted for in these estimates, but will be provided in the 1987 Coverage Evaluation publication. See appendix C for futher explanation.

Note 2: Detail may not add to total due to rounding.

APPENDIX D.
Report Form and Information Sheet



DUE BY FEBRUARY 1, 1988

OMB No. 0607-0534: Approval Expires September 30, 1989

FORM **87-A0203**
(8-13-86)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

AG CENSUS USA

UNITED STATES CENSUS OF AGRICULTURE

Please complete this form and RETURN TO

BUREAU OF THE CENSUS
1201 East Tenth Street
Jeffersonville, IN 47133

Note — If your records are not available, reasonable estimates may be used. If you cannot file by February 1, a time extension request may be sent to the above address. Include your 12-character Census File Number (CFN) as shown in your address label in all correspondence to us.

If you received more than one report form, enter extra Census File Number(s) here and return extra copies with your completed report.

A ☐☐☐☐☐ – ☐☐☐☐☐☐ ☐
A ☐☐☐☐☐ – ☐☐☐☐☐☐ ☐

CENSUS USE ONLY	035	036	037	038
	039	040	041	042

NOTICE — Response to this inquiry is required by law (title 13, U.S. Code). By the same law YOUR REPORT TO THE CENSUS BUREAU IS CONFIDENTIAL. It may be seen only by sworn Census employees and may be used only for statistical purposes. Your report CANNOT be used for purposes of taxation, investigation, or regulation. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this report, please refer to your Census File Number (CFN)

87-A0203

Please correct errors in name, address, and ZIP Code. ENTER street and number if not shown.

SECTION 1 S1 **ACREAGE IN 1987** Report land owned, rented, or used by you, your spouse, or by the partnership, corporation, or organization for which you are reporting. Include ALL LAND, REGARDLESS OF LOCATION OR USE — cropland, pastureland, rangeland, woodland, idle land, house lots, etc.

If the acres you operated in 1987 changed during the year, refer to the INFORMATION SHEET, section 1.

	None	Number of acres
1. All land owned	☐	043
2. All land rented or leased FROM OTHERS, including land worked by you on shares, used rent free, in exchange for services, payment of taxes, etc. Include leased Federal, State, and railroad land. (DO NOT include land used on a per-head basis under a grazing permit.) Also complete item 5 below	☐	044
3. All land rented or leased TO OTHERS, including land worked on shares by others and land subleased. Also complete item 6 below.	☐	045
4. Acres in "THIS PLACE" — ADD acres owned (item 1) and acres rented (item 2), then SUBTRACT acres rented TO OTHERS (item 3), and enter the result in this space →		046

For this census report these are the acres in "THIS PLACE."
If the entry is zero please refer to the INFORMATION SHEET, section 1.

5. If you rented land FROM OTHERS (item 2), enter the following information for each landlord.

Name of landlord	Mailing address *(Include ZIP Code)*	Number of acres

List additional landlords on a separate sheet of paper

6. If you rented land TO OTHERS (item 3), enter the following information for each renter.

Name of renter	Mailing address *(Include ZIP Code)*	Number of acres

List additional renters on a separate sheet of paper.

a. Of the land you rented or leased to others, how many acres did you own? None ☐ 053 ________ Acres

7. Did you have any grazing permits on a per-head basis?

054

1 ☐ **Yes** — *Mark (X) all boxes which apply*
- 3 ☐ Forest Service
- 4 ☐ Taylor Grazing Sec. 3 (BLM)
- 5 ☐ Indian Land
- 6 ☐ Other — *Specify* ________

2 ☐ **No** — *Go to item 8*

8. LOCATION OF AGRICULTURAL ACTIVITY FOR "THIS PLACE"

		County name	State	Number of acres
a. In what county was the largest value of your agricultural products raised or produced?	Principal county →			056
b. If you also had agricultural operations in any other county(ies), enter the county name(s), etc.	Other counties			057
				058
				059

PENALTY FOR FAILURE TO REPORT

***INSTRUCTIONS* — Please report your crops in the appropriate section. Use section 7 to report ONLY those CROPS NOT listed in sections 2 through 6 and section 8. DO NOT INCLUDE crops grown on land rented to others.**

SECTION 2 **Were any of the following CROPS harvested from "THIS PLACE" in 1987?**

S2

	None	Acres harvested	Quantity harvested	Acres irrigated
1. Corn (field) for grain or seed *(Report quantity on a dry shelled-weight basis.)*	☐	067	068 Bu.	069
2. Corn (field) for silage or green chop	☐	070	071 Tons, green	072
3. Wheat for grain (including durum)	☐	073	074 Bu.	075
4. Oats for grain	☐	076	077 Bu.	078
5. Barley for grain	☐	079	080 Bu.	081
6. Rye for grain	☐	686	687 Bu.	688
7. Soybeans for beans	☐	088	089 Bu.	090
8. Beans, dry edible	☐	554	555 Cwt.	556
9. Sunflower seed	☐	734	735 Lbs.	736
10. Flaxseed	☐	605	606 Bu.	607
11. Sugar beets for sugar	☐	719	720 Tons	721
12. Tobacco — all types	☐	094 /10	095 Lbs.	096 /10
13. Potatoes, Irish	☐	097 /10	098 Cwt.	099 /10

SECTION 3 **Was any DRY HAY, GRASS SILAGE, HAYLAGE, or GREEN CHOP cut or harvested from "THIS PLACE" in 1987?**
Include sorghum-sudan crosses and hay cut from pastures.

S3 1 ☐ YES — ***Complete this section*** 2 ☐ NO — *Go to section 4*

If cuttings were made for both dry hay and grass silage, haylage, or green chop from the same fields, report the acreage in the appropriate items under DRY HAY and also under GRASS SILAGE, HAYLAGE, and GREEN CHOP.

	Acres harvested	Quantity harvested *(Report either dry or green weight as indicated)*	Acres irrigated
1. DRY HAY *(If two or more cuttings of dry hay were made from the same acres, report acres only once, but report total tons from all cuttings.)*			
a. Alfalfa and alfalfa mixtures for hay or dehydrating	103	104 Tons, dry	105
b. Small grain hay — oats, wheat, barley, rye, etc.	106	107 Tons, dry	108
c. Other tame dry hay — clover, lespedeza, timothy, bromegrass, Sudangrass, millet, etc.	109	110 Tons, dry	111
d. Wild hay	112	113 Tons, dry	114
2. GRASS SILAGE, HAYLAGE, AND GREEN CHOP *(If two or more cuttings were made from the same acres, report acres only once, but report total tons from all cuttings.)*	115	116 Tons, green	117

3. HAY SOLD — Did you sell any hay or grass silage in 1987? *(Report value of hay sold in section 9, item 3)* 118 1 ☐ Yes 2 ☐ No

SECTION 4 **Were any VEGETABLES, SWEET CORN, MELONS, etc., harvested FOR SALE from "THIS PLACE" in 1987?** ***(Do not include those grown for home use.)***

54
1 ☐ YES — *Complete this section*
2 ☐ NO — *Go to section 5*

	Acres		Acres irrigated	
	Whole acres	Tenths	Whole acres	Tenths
1. Land from which vegetables were harvested in 1987	375	/10	376	/10

2. From the list below, enter the crop name and code for each crop harvested in 1987. *If more than one vegetable crop was harvested from the same acres, report acres for each crop. Report crops grown under protection in section 5.*

Crop name	Code	Acres harvested		Acres irrigated	
Snap beans (bush and pole)	381		/10	382	/10
Peas, green	441		/10	442	/10
Sweet corn	461		/10	462	/10
			/10	1	/10
			/10	1	/10
			/10	1	/10
			/10	1	/10

If more space is needed, use a separate sheet of paper.

Crop name	Code	Crop name	Code	Crop name	Code
Asparagus	379	Cucumbers and pickles	411	Pumpkins	449
Beets	383	Eggplant	415	Radishes	451
Broccoli	385	Honeydew melons	423	Rhubarb	453
Cabbage, head	391	Lettuce and romaine	427	Spinach	457
Cantaloups and muskmelons	395	Lima beans, green	429	Squash	459
Carrots	397	Mustard greens	431	Tomatoes	463
Cauliflower	399	Onions, dry	433	Turnips	465
Celery	401	Onions, green	435	Turnip greens	467
Collards	407	Peppers, sweet	443	Watermelons	473
		Peppers, hot	445	Other vegetables — *Specify*	475

SECTION 5 **Were any NURSERY and GREENHOUSE CROPS, MUSHROOMS, sod, bulbs, flowers, flower seeds, vegetable seeds and plants, vegetables under glass or other protection, GROWN FOR SALE on "THIS PLACE" in 1987?**

55
1 ☐ YES — *Complete this section*
2 ☐ NO — *Go to section 6*

	None	Area irrigated		
		Square feet	Acres	Tenths
1. Nursery and greenhouse crops irrigated in 1987	☐	477	478	/10

2. From the list below, enter the crop name and code for each crop grown.

Crop name	Code	Square feet under glass or other protection in 1987	Acres in the open in 1987		Sales in 1987	
			Whole acres	Tenths	Dollars	Cents
			1	/10	2 $	00
			1	/10	2 $	00
			1	/10	2 $	00

If more space is needed, use a separate sheet of paper.

Crop name	Code	Crop name	Code
Bedding plants (include vegetable plants)	479	Potted flowering plants	710
Bulbs *(Exclude bulb flowering plants)*	482	Mushrooms	494
Cut flowers and cut florist greens	485	Sod harvested	497
Nursery crops — ornamentals, fruit and nut trees, and vines	488	Vegetable and flower seeds	500
Foliage plants	707	Greenhouse vegetables	503
		Other — *Specify*	506

SECTION 6 **Were any STRAWBERRIES, CRANBERRIES, or OTHER BERRIES harvested FOR SALE from "THIS PLACE" in 1987?** ***(Do not include those grown for home use.)***

56
1 ☐ YES — *Complete this section*
2 ☐ NO — *Go to section 7*

Crop name	Code	Acres harvested		Quantity harvested	Acres irrigated	
		Whole acres	Tenths		Whole acres	Tenths
Strawberries	536		/10	537 Lbs.	538	/10
Blackberries and dewberries	509		/10	510 Lbs.	511	/10
Blueberries, tame	512		/10	513 Lbs.	514	/10
Cranberries	521		/10	522 100-lb. barrels	523	/10
Raspberries	533		/10	534 Lbs.	535	/10
Other berries — *Specify*	539		/10	540 Lbs.	541	/10

If more space is needed, use a separate sheet of paper.

SECTION 7 **Were any OTHER CROPS harvested from "THIS PLACE" in 1987 — small grains, field seeds, sorghum, mint, or other crops not previously reported?** ***(Report fruit in section 8.)***

57
1 ☐ YES — *Complete this section*
2 ☐ NO — *Go to section 8*

For those crops not listed enter the crop name and code from the list below.
Report quantity harvested in unit specified with crop name.

Crop name	Code	Acres harvested	Quantity harvested	Acres irrigated
Buckwheat	575		576 Bu.	577
Red clover seed	671		672 Lbs.	673
Timothy seed	746		747 Lbs.	748
Mint for oil	644		645 Lbs. of oil	646
Sorghum for grain or seed *(Do not include sorghum-sudan crosses)*	082		083 Bu.	084
Sorghum for silage or green chop	085		086 Tons, green	087

If more space is needed, use a separate sheet of paper.

Crop name	Code	Crop name	Code
Alfalfa seed (pounds)	642	Dry edible peas (hundredweight)	659
Birdsfoot trefoil seed (pounds)	566	Popcorn (pounds, shelled)	662
Corn cut for dry fodder, hogged or grazed (report acres only)	581	Proso millet (bushels)	665
Emmer and spelt (bushels)	599	Rapeseed (pounds)	668
Herbs, including ginseng (pounds)	620	Ryegrass seed (pounds)	689
Kentucky bluegrass seed (pounds)	629	Sweetclover seed (pounds)	737
Mixed grains (bushels)	614	Triticale (bushels)	749
Mustard seed (pounds)	650	Wild rice (pounds)	764
		Other crops (pounds) — *Specify*	752

SECTION 8 **Was there a combined total of 20 or more FRUIT TREES, including GRAPEVINES and NUT TREES, on "THIS PLACE" in 1987?**

58
1 ☐ YES — *Complete this section*
2 ☐ NO — *Go to section 9*

	Total acres		Acres irrigated	
	Whole acres	Tenths	Whole acres	Tenths
1. TOTAL ACRES in bearing and nonbearing fruit orchards, vineyards, and nut trees on this place. *(Do not include abandoned acres.)*	121	/10	122	/10

2. For those crops not listed below, enter the name and code from the list at the right for other fruit and nut trees on this place in 1987. Report the requested information for each crop even if not harvested because of low prices, damage from hail, frost, etc.

Crop name	Code	NUMBER OF TREES OR VINES OF —		Acres in trees and vines of all ages		Quantity harvested	Unit of measure *Mark one*			Lbs. per box
		Nonbearing age	Bearing age	Whole acres	Tenths		Lbs.	Tons	Boxes	
Apples	123		124	125	/10	126	127 1 ☐	2 ☐	3 ☐	128
Grapes	177		178	179	/10	180	181 1 ☐	2 ☐	3 ☐	182
Sweet cherries	345		346	347	/10	348	349 1 ☐	2 ☐	3 ☐	350
Tart cherries	587		588	589	/10	590	591 1 ☐	2 ☐	3 ☐	592
Peaches	225		226	227	/10	228	229 1 ☐	2 ☐	3 ☐	230
			1	2	/10	3	4 1 ☐	2 ☐	3 ☐	5
			1	2	/10	3	4 1 ☐	2 ☐	3 ☐	5

If more space is needed, use a separate sheet of paper.

Crop name	Code
Apricots	129
Nectarines	201
Pears	231
Plums and prunes	243
Other fruit and nuts — *Specify*	369

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SECTION 9 GROSS VALUE of CROPS SOLD from "THIS PLACE" in 1987, BEFORE taxes and expenses *(Refer to the INFORMATION SHEET, section 9.)*

S9

Report your best estimate of the value for each of the following groups of crops sold from this place in 1987. Include the value of the landlord's and/or contractor's shares, estimating if necessary. Include value of Government CCC loans.

	None	Dollars	Cents
1. Grains, soybeans and other beans sold in 1987			
a. Corn for grain	☐	773 $	00
b. Wheat	☐	774 $	00
c. Soybeans	☐	775 $	00
d. Sorghum for grain	☐	776 $	00
e. Barley	☐	777 $	00
f. Oats	☐	778 $	00
g. Other – rye, dry edible beans, sunflower seed, flaxseed, buckwheat, etc.	☐	779 $	00
2. Tobacco	☐	781 $	00
3. Hay, silage, field seeds, and grass seeds	☐	782 $	00
4. Vegetables, sweet corn, and melons — *(Do not include Irish potatoes and sweetpotatoes, report them in item 6 below.)*	☐	783 $	00
5. Fruits, nuts, and berries – apples, cherries, grapes, peaches, pears, plums, strawberries, blueberries, cranberries, etc.	☐	784 $	00
6. Other crops – potatoes, mint for oil, sugar beets, etc. *(Do not include nursery and greenhouse crops.)* — *Specify* ______________	☐	785 $	00

SECTION 10 How were the ACRES in this place USED in 1987?

S10

1. Copy acres in "THIS PLACE" from section 1, item 4, page 1 ____________ Acres

***NOTE:** For items 2 to 5 below, if land was used for more than one purpose in 1987 report it in the FIRST land use listed below that applies. For example, report cropland harvested and also pastured, only as "Cropland harvested."*

	None	Number of acres
2. CROPLAND		
a. Cropland harvested — *Include all land from which crops were harvested or hay was cut, and all land in orchards, citrus groves, vineyards, and nursery and greenhouse crops.*	☐	787
b. Cropland used only for pasture or grazing — *Include rotation pasture and grazing land that could have been used for crops without additional improvements.*	☐	788
c. Cropland used for cover crops, legumes, and soil-improvement grasses, but NOT harvested and NOT pastured	☐	789
d. Cropland on which all crops failed — *(Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2a.)*	☐	790
e. Cropland in cultivated summer fallow	☐	791
f. Cropland idle	☐	793
3. **Woodland** — *Include all woodlots and timber tracts and cutover and deforested land with young timber growth.* a. Woodland pastured	☐	794
b. Woodland not pastured	☐	795
4. **Other pastureland and rangeland** — *Include any pastureland other than cropland and woodland pasture.*	☐	796
5. **All other land** — Land in house lots, ponds, roads, wasteland, etc. — *Include any land not reported in items 2 through 4 above.*	☐	797
6. **TOTAL ACRES** — ***Add the acres reported in items 2 through 5 (Should be the same as item 1 above.)*** →		798

SECTION 11 Was any LAND in this place IRRIGATED at any time in 1987?

Irrigated land is all land watered by any artificial or controlled means — sprinklers, furrows or ditches, spreader dikes, etc. Include supplemental, partial, and preplant irrigation.

S11
1 ☐ YES — ***Complete this section***
2 ☐ NO — *Go to section 12*

	None	Number of acres irrigated
1. How many acres of harvested land were irrigated? *Include land from which hay was cut and land in bearing and nonbearing fruit and nut crops reported in section 10, item 2a.*	☐	680
2. How many acres of pastureland, rangeland, and any other lands not included in item 1 above were irrigated?	☐	681

SECTION 12 Were any ACRES in this place SET ASIDE, DIVERTED, OR IDLED under FEDERAL acreage reduction programs in 1987?

S12
1 ☐ YES — ***Complete this section***
2 ☐ NO — *Go to section 13*

	None	Number of acres
1. How many acres were set aside (or diverted) under ANNUAL commodity acreage adjustment programs?	☐	682
2. How many acres were under the CONSERVATION RESERVE PROGRAM (10 year, CRP)?	☐	683

SECTION 13 Did you or anyone else have any CATTLE or CALVES on this place in 1987?

S13
1 ☐ YES — ***Complete this section***
2 ☐ NO — *Go to section 14*

• DECEMBER 31, 1987 INVENTORY

	None	INVENTORY Number on this place Dec. 31, 1987
1. CATTLE AND CALVES of all ages *(Total of a, b, c, and d below)*	☐	803 Total
a. BEEF COWS — *Include beef heifers that had calved.*	☐	804 Beef cows
b. MILK COWS kept for production of milk or cream for sale or home use — *Include dry milk cows and milk heifers that had calved.*	☐	805 Milk cows
c. HEIFERS AND HEIFER CALVES — *(Do not include heifers that had calved.)*	☐	806 Heifers and heifer calves
d. STEERS, STEER CALVES, BULLS, AND BULL CALVES	☐	807 Steers and bulls of all ages

• CATTLE AND CALVES SOLD FROM THIS PLACE IN 1987
Include those fed on this place on a contract or custom basis. Also report as sold cattle moved from this place to a feedlot for further feeding.

	None	Number sold in 1987	Gross value of sales Dollars	Cents
2. Calves weighing less than 500 pounds	☐	808	809 $	00
3. Cattle, including calves weighing 500 pounds or more	☐	810	811 $	00
a. Of the total cattle sold, how many were FATTENED on this place on GRAIN or CONCENTRATES for 30 days or more and SOLD for SLAUGHTER?	☐	812	813 $	00

• DAIRY PRODUCTS SOLD FROM THIS PLACE IN 1987

	None	DAIRY PRODUCTS Gross value of sales Dollars	Cents
4. Gross value of sales of DAIRY PRODUCTS from this place in 1987 — *Include milk, cream, butter, etc.*	☐	814 $	00

SECTION 14 Did you or anyone else have any HOGS or PIGS on this place in 1987?

S14
1 ☐ YES — ***Complete this section***
2 ☐ NO — *Go to section 15*

• DECEMBER 31, 1987 INVENTORY

	None	INVENTORY Number on this place Dec. 31, 1987
1. HOGS and PIGS of all ages *(Total of a and b below)*	☐	815 Total
a. HOGS and PIGS used or to be used for BREEDING	☐	816 Breeding
b. OTHER HOGS and PIGS	☐	817 Other

• LITTERS FARROWED

	None	Number of litters
2. LITTERS FARROWED on this place between —		
a. December 1, 1986 and May 31, 1987	☐	818
b. June 1, 1987 and November 30, 1987	☐	819

• HOGS AND PIGS SOLD

	None	Number sold in 1987	Gross value of sales Dollars	Cents
3. HOGS and PIGS SOLD from this place in 1987	☐	820	821 $	00
4. Of the hogs and pigs sold, how many were sold as FEEDER PIGS for further feeding?	☐	822	823 $	00

SECTION 15 Did you or anyone else have any SHEEP or LAMBS on this place in 1987?

S15
1 ☐ YES — ***Complete this section***
2 ☐ NO — *Go to section 16*

	None	INVENTORY Number on this place Dec. 31, 1987	NUMBER SOLD in 1987
1. SHEEP and LAMBS of all ages	☐	824	825
a. EWES 1 year old or older	☐	826	▨

	None	Number shorn in 1987	Pounds of wool shorn in 1987
2. SHEEP and LAMBS SHORN	☐	827	828

	None	Gross value of sales Dollars	Cents
3. What was the gross value of sales of SHEEP, LAMBS, and WOOL from this place in 1987?	☐	829 $	00

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SECTION 16 Did you or anyone else have any HORSES, BEES, FISH, GOATS, OTHER LIVESTOCK, or ANIMAL SPECIALTIES on this place in 1987?

516 1 ☐ YES — *Complete this section* 2 ☐ NO — *Go to section 17*

	None	INVENTORY Number on this place Dec. 31, 1987	Total quantity sold in 1987	Gross value of sales Dollars	Cents
1. Horses and ponies of all ages	☐	830	831 Number	832 $	00
2. Colonies of bees	☐	839	840 Number 841 Pounds honey	842 $	00
3. Milk goats	☐	843	844 Number 845 Gallons milk	846 $	00
4. Angora goats	☐	847	848 Number 849 Pounds mohair	850 $	00
5. Other goats	☐	851	852 Number	853 $	00
6. Mules, burros, and donkeys	☐	833	834 Number	835 $	00
7. Mink and their pelts	☐	836	837 Number	838 $	00
8. Rabbits and their pelts	☐	854	855 Number	856 $	00
9. All other livestock and livestock products *Specify* ______		857	858 Number	859 $	00

10. Fish and other aquaculture products *(Enter name and code from list below.)*

Name ______ Code ______

Total quantity sold in 1987	Gross value of sales Dollars	Cents
1 —OR— Pounds / Number	2 $	00

Name	Code	Name	Code
Catfish	860	Other fish — *Specify*	866
Trout	863	Other aquaculture products — *Specify*	869

If more space is needed, use a seperate sheet of paper.

SECTION 17 Did you or anyone else have any POULTRY, such as CHICKENS, TURKEYS, DUCKS, etc., on this place in 1987? — *Include poultry grown for others on a contract basis.*

517 1 ☐ YES — *Complete this section*

2 ☐ NO — *Go to section 18*

	None	INVENTORY Number on this place Dec. 31, 1987	Total number sold in 1987
1. HENS and PULLETS of laying age	☐	892	893
2. PULLETS for laying flock replacement a. PULLETS 3 months old or older not yet of laying age	☐	894	895
b. PULLET CHICKS and PULLETS under 3 months old *(Do not include commercial broilers.)*	☐	896	
3. BROILERS, fryers, and other meat-type chickens including capons and roasters	☐	898	899
4. TURKEYS a. Turkeys for slaughter *(Do not include breeders.)*	☐	900	901
b. Turkey HENS kept for breeding	☐	902	903
5. OTHER POULTRY raised in captivity — ducks, geese, pigeons or squab, pheasants, quail, etc. *(Enter poultry name and code from the list below.)* Poultry name ______ Code ______			1
Poultry name ______ Code ______			1

Name	Code	Name	Code	Name	Code
Ducks	904	Pigeons or squab	908	Quail	912
Geese	906	Pheasants	910	All other poultry — *Specify*	914

	None	Number
6. POULTRY HATCHED on this place in 1987 and placed or sold — chickens, turkeys, ducks, etc. — *Specify kind of poultry* ______	☐	916
7. Incubator egg capacity on December 31, 1987	☐	917

	None	Gross value of sales Dollars	Cents
8. What was the gross value of sales of poultry and poultry products (eggs, etc.) from this place in 1987?	☐	918 $	00

SECTION 18 GOVERNMENT CCC LOANS

518

	None	Dollars	Cents
1. Amount received in 1987 from Government CCC loans for — *Include regular and reserve loans, even if redeemed or forfeited.* a. Corn	☐	886 $	00
b. Wheat	☐	887 $	00
c. Soybeans	☐	888 $	00
d. Sorghum, barley, and oats	☐	889 $	00
e. Tobacco, rye, and honey	☐	881 $	00

SECTION 19 Payments received for participation in FEDERAL FARM PROGRAMS in 1987 *(DO NOT INCLUDE CCC loans.)* *Refer to INFORMATION SHEET, section 19.*

519

	None	Dollars	Cents
1. Amount received in cash	☐	884 $	00
2. Value of certificates received — payment-in-kind (PIK) or commodity certificates	☐	885 $	00

SECTION 20 TYPE OF ORGANIZATION

520

Mark (X) the one item which best describes the type of organization for this place in 1987. *Refer to the INFORMATION SHEET, section 20.*

921
- FAMILY or INDIVIDUAL operation — *(Do not include partnership and corporation.)* 1 ☐ } *Go to section 22*
- PARTNERSHIP operation — *Include family partnerships.* 2 ☐ } *Go to section 22*
- INCORPORATED UNDER STATE LAW 3 ☐ *Go to section 21*
- OTHER, such as estate or trust, prison farm, grazing association, Indian reservation, etc. 4 ☐ *Specify below then go to section 22*

Specify ______

SECTION 21 CORPORATE STRUCTURE (for incorporated operations only)

Refer to the INFORMATION SHEET, section 21.

521

922
1. Is this a family-held corporation? 1 ☐ Yes 2 ☐ No
2. Are there more than 10 stockholders? 3 ☐ Yes 4 ☐ No

SECTION 22 CHARACTERISTICS AND OCCUPATION OF OPERATOR (Senior partner or person in charge) *Refer to the INFORMATION SHEET, section 22.*

522

1. RESIDENCE — Does the operator (senior partner or person in charge) live on this place? 923 1 ☐ Yes 2 ☐ No
2. PRINCIPAL OCCUPATION — At which occupation did the operator spend the majority (50 percent or more) of his/her worktime in 1987? *For partnerships consider all members of the partnership together.* 928 1 ☐ Farming or ranching 2 ☐ Other
3. OFF-FARM WORK — How many days did the operator (senior partner or person in charge) work at least 4 hours per day **off** this place in 1987? — *Include work at a nonfarm job, business, or on someone else's farm for pay. (Do not include exchange farmwork.)* 929
   - 1 ☐ None
   - 2 ☐ 1—49 days
   - 3 ☐ 50—99 days
   - 4 ☐ 100—149 days
   - 5 ☐ 150—199 days
   - 6 ☐ 200 days or more
4. In what YEAR did the operator (or senior partner) begin to operate any part of this place? 060 ______ Year
5. AGE of operator (senior partner or person in charge) 925 ______ Years old
6. RACE of operator (senior partner or person in charge) 924
   - 1 ☐ White
   - 2 ☐ Negro or Black
   - 3 ☐ American Indian
   - 4 ☐ Asian or Pacific Islander
   - 5 ☐ Other — *Specify* ______
7. SEX of operator (senior partner or person in charge) 926 1 ☐ Male 2 ☐ Female
8. SPANISH ORIGIN — Is the operator (senior partner or person in charge) of Spanish origin or descent (Mexican, Puerto Rican, Cuban, or other Spanish)? 927 1 ☐ Yes 2 ☐ No

SECTION 23 PRODUCTION EXPENSES paid by you and others for this place in 1987

523

Include your best estimates of expenses paid by you, your landlord, contractors, buyers, and others for production of crops, livestock, and other agricultural products in 1987. (DO NOT INCLUDE expenses connected with performing customwork for others; operation of nonfarm activities, businesses, or services; or household expenses not related to the farm business.)

	None		Dollars	Cents
1. **Livestock and poultry purchased** — cattle, calves, hogs, pigs, sheep, lambs, goats, horses, chicks, poults, started pullets, etc.	☐	971	$	00
2. **Feed purchased for livestock and poultry** — grain, hay, silage, mixed feeds, concentrates, etc.	☐	972	$	00
a. Commercially mixed formula feeds purchased — complete, supplement, concentrates, premixes. *(Do not include ingredients purchased seperately, such as soybean meal, cottonseed meal, and urea.)*	☐	973	$	00
3. **Seed cost** — for corn, other grains, soybeans, tobacco, cotton, etc. — *Include plants and trees purchased.*	☐	974	$	00
4. **Commercial fertilizer purchased** — all forms, including rock phosphate and gypsum. *Include cost of custom applications.*	☐	975	$	00
5. **Agricultural chemicals purchased** — Insecticides, herbicides, fungicides, other pesticides, etc. — *Include cost of custom applications. (Do not include lime.)*	☐	976	$	00
6. **Gasoline and other petroleum fuel and oil purchased for the farm business** —				
a. Gasoline and gasohol	☐	977	$	00
b. Diesel fuel	☐	978	$	00
c. Natural gas	☐	979	$	00
d. LP gas, fuel oil, kerosene, motor oil, grease, etc.	☐	980	$	00
7. **Electricity for the farm business** — *(Do not include household expenses.)*	☐	981	$	00
8. **Hired farm and ranch labor** — also include employer's cost for social security, workman's compensation, insurance premiums, pension plans, etc. *(See INFORMATION SHEET)*	☐	982	$	00
9. **Contract labor** — *Include expenditures for labor, such as harvesting of fruit, vegetables, berries, etc., performed on a contract basis by a contractor, crew leader, a cooperative, etc.*	☐	983	$	00
10. **Repair and maintenance expenses for the upkeep of buildings, motor vehicles, and farm equipment**	☐	984	$	00
11. **Customwork, machine hire and rental of machinery and equipment** — *Include expenditures for use of equipment and for customwork such as grinding and mixing feed, plowing, combining, corn picking, drying, silo filling, spraying, dusting, fertilizing, etc. (Do not include cost of cotton ginning and application of fertilizer and chemicals.)*	☐	985	$	00
12. **Interest paid on debts** — *(See INFORMATION SHEET)*				
a. Secured by real estate	☐	986	$	00
b. Not secured by real estate	☐	987	$	00
13. **Cash rent paid for land and buildings in 1987** — *(Do not include grazing fees.)*	☐	988	$	00
14. **Property taxes paid** — *Include farm real estate, machinery, livestock, etc. for the farm business. (Do not include taxes paid by landlords.)*	☐	989	$	00
15. **All other production expenses** — *Include insurance, water, animal health costs, grazing fees, marketing charges, miscellaneous farm supplies, etc. (Do not include depreciation, household expenses, and expenses not associated with the farm business.)*	☐	990	$	00

SECTION 24 Was any COMMERCIAL FERTILIZER, including ROCK PHOSPHATE, or LIME used on this place during 1987?

524

1 ☐ YES — *Complete this section* 2 ☐ NO — *Go to section 25*

	None	Acres fertilized
1. Acres of cropland fertilized in 1987 — *(Do not include cropland for pastures reported in section 10, item 2b.)*	☐	932
2. Acres of pastureland and rangeland fertilized in 1987 reported in section 10, items 2b and 4	☐	933

	None	Tons of lime	Acres limed
3. LIME — tons of lime used and acres on which applied — *(Do not include land plaster or gypsum or lime for sanitation.)*	☐	934	935

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SECTION 25 Were any INSECTICIDES, HERBICIDES, FUNGICIDES, NEMATICIDES, OTHER PESTICIDES, or OTHER CHEMICALS used on this place in 1987?

525

1 ☐ YES — *Complete this section* 2 ☐ NO — *Go to section 26*

Include any materials provided by you, your landlords, or contractors. For each item listed, report acres only once. If multipurpose chemicals were used, report acreage treated for each purpose.

	None	Acres on which used
1. Sprays, dusts, granules, fumigants, etc., (fungicide, herbicide, insecticide, nematicide) to control —		
a. **Insects** on crops, including hay	☐	936
b. **Nematodes** in crops	☐	937
c. **Diseases** in crops and orchards (blights, smuts, rusts, etc.)	☐	938
d. **Weeds, grass, or brush** in crops and pasture — *Include both pre-emergence and post emergence.*	☐	939
2. Chemicals for **defoliation** or for **growth control** of crops or **thinning** of fruit	☐	940

SECTION 26 MACHINERY AND EQUIPMENT on this place on December 31, 1987 — *Include only equipment used for agricultural operations in 1986 or 1987.*

526

- **Value of ALL machinery and equipment on this place, December 31, 1987**

	Estimated market value	
	Dollars	Cents
1. What is the estimated market value of ALL machinery, equipment, and implements usually kept on this place and used for the farm or ranch business? — *Include cars, trucks, tractors, combines, plows, disks, harrows, dryers, pumps, motors, irrigation equipment, dairy equipment including milkers and bulk tanks, livestock feeders, grinding and mixing equipment, etc.*	943 $	00

- **SELECTED machinery and equipment on this place, December 31, 1987.** *(Report only if used in 1986 or 1987.)*

	None	Total number on this place on December 31, 1987	Of the total, HOW MANY were manufactured in the last 5 years (1983 - 1987)?
2. Motortrucks — *Include pickups*	☐	944	945
3. Wheel tractors other than garden tractors and motor tillers —			
a. Less than 40 horsepower (PTO)	☐	946	947
b. 40 horsepower (PTO) or more	☐	948	949
4. Grain and bean combines, all types	☐	950	951
5. Cotton pickers and strippers	☐	956	957
6. Mower conditioners	☐	958	959
7. Pickup balers — *Include rectangle and round balers*	☐	960	961

SECTION 27 ESTIMATED CURRENT MARKET VALUE OF LAND and BUILDINGS

527

Please give your best ESTIMATE of the CURRENT MARKET VALUE of land and buildings for all acres reported in section 1, items 1, 2, and 3, page 1.

	None	Estimated market value of land and buildings	
		Dollars	Cents
1. All land owned	☐	996 $	00
2. All land rented or leased FROM OTHERS	☐	997 $	00
3. All land rented or leased TO OTHERS	☐	998 $	00

SECTION 28 INCOME FROM FARM - RELATED SOURCES IN 1987

Report amount received before taxes and expenses.

528

	None	Farm-related income	
		Dollars	Cents
1. Customwork and other agricultural services provided for farmers and others — plowing, planting, spraying, harvesting, preparation of products for market, etc. *(If customwork is a separate business, refer to INFORMATION SHEET, section 28)*	☐	992 $	00
2. Gross cash rent or share payments received from renting out farmland or payments received from lease or sale of allotments — *Include payments for livestock pastured on a per-head basis, per-month basis, per-pound basis, etc.*	☐	993 $	00
3. Sales of forest products and Christmas trees — *Include maple products, naval stores, firewood, etc.*	☐	994 $	00
4. Recreational services, patronage dividends of cooperatives, and other income which is CLOSELY RELATED to the agricultural operation on this place — *Specify* ______	☐	995 $	00

SECTION 29 PERSON COMPLETING THIS REPORT — *Please print*

Name		999 Date
Telephone number	Area Code	Number

Page 6

FORM **87-A01(I)**
(12-17-86)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

INFORMATION SHEET

1987 UNITED STATES CENSUS OF AGRICULTURE

Special Reporting Instructions

1. Who Should Report

WE NEED A REPLY FROM EVERYONE RECEIVING A REPORT FORM, INCLUDING individuals, landlords, tenants, partnerships, corporations, institutions, and THOSE NOT CONDUCTING AGRICULTURAL OPERATIONS. Each case included in the census has a unique Census File Number (CFN). In order to make the census results as complete and accurate as possible, we need to obtain information about every CFN.

2. If You Received More Than One Report Form for an Operation

Complete only ONE report form for an operation. Write "Duplicate" near the address label of each extra report form. Also, write the 11-digit census file number(s) of the DUPLICATE report(s) ON THE COMPLETED REPORT in the space provided to the left of the address label. Return the extra report(s) in the same envelope with your completed report form so that we can correct our records.

3. If You No Longer Farm

If you had agricultural operations **at any time during 1987**, please report all agricultural activity during the year. Report all land on your census form that you owned or rented. Also, report your 1987 crop and livestock production and 1987 sales.

Explain on the first page of the report form (or on a separate sheet of paper) that you quit farming or ranching and give the approximate date and the name and address of the present operator, if known.

4. If You Never Farmed or Have No Association With Agriculture

Please write a note on the report form near the address label explaining this and return the form so that we can correct our records. In our efforts to make the census as complete as possible, we obtained lists from various sources. We tried to eliminate duplicate and nonfarm addresses, however, it was not always possible to do so.

5. If You Have More Than One Agricultural Operation

Complete a report form for EACH SEPARATE and DISTINCT production unit, i.e., each individual farm, ranch, feedlot, greenhouse, etc., or combination of farms, etc., for which you maintain SEPARATE records of operating expenses and sales, livestock and other inventories, crop acreages, and production.

6. If You Have a Partnership Operation

Complete only ONE report for the entire partnership's agricultural operation and include all partners' shares on the one report. If members of the partnership also operate separate farms or ranches in addition to the partnership farming operation, separate report forms should be completed for each individual operation.

If two or more report forms were received for the same operation, mark each additional form as a "Duplicate." Return the duplicate report(s) in the same envelope with the completed partnership report, where possible, or write a note on the duplicate report, such as, "*(Name of partner)* has completed a report for the partnership *(provide name and CFN of partnership.)*"

7. Landlord's or Contractor's Share

If you rented or leased land from others or had a contract for the production of agricultural products, include both your share and the landlord's or contractor's share of the production, sales, and expenses so your census report form will be complete for "THIS PLACE."

If you do not know the landlord's or contractor's share, include your BEST ESTIMATE. If you do not have records available for all data items, use your best estimate.

How to Enter Your Response

Enter your replies in the proper spaces, on the correct lines, and in the units requested, i.e., dollars, bushels, tons, etc. Write any explanation outside the answer spaces or on a separate sheet of paper.

All dollar figures may be entered in whole dollars. CENTS ARE NOT REQUIRED.

Enter whole numbers except where tenths are requested, such as acres of potatoes harvested. If you have 1/2, 1/3, or 1/4 of an acre, convert to tenths. For example, convert 1/2 to 5/10, 1/3 to 3/10, 1/4 to 2/10.

The census report form will contain sections and questions which do not apply to you. When this occurs, mark the "None" or "No" box and go on to the next item or section.

Instructions For Specified Sections

▶ Section 1 — ACREAGE IN 1987

Your answers to this section will determine the land **(Acres in "THIS PLACE")** referred to in the rest of the report form.

When answering the acreage questions, include the land associated with your agricultural operations in 1987 whether in production or not. Include all land that you owned or rented during 1987 even if only for part of the year. Do not include any unrelated residential or commercial land.

IF YOU QUIT FARMING DURING 1987 — Complete the report form for the portion of the year that you did farm. Explain on the report form in the space to the left of the address label (or on another sheet of paper) when you stopped farming and include the name and address of the person now using the land.

Report all land in section 1 in whole acres.

Item 1 — All Land Owned — Report all land owned in 1987 whether held under title, purchase contract or mortgage, homestead law, or as heir or trustee of an undivided estate. Include all land owned by you and/or your spouse, or by the partnership, corporation, or organization for which you are reporting.

Item 2 — All Land Rented or Leased FROM OTHERS — Report all land rented by you or your operation even though the landlord may have supplied materials or supervision.

INCLUDE in item 2:

a. Land for agricultural use that you rented from others for cash

b. Land you worked on a share basis (crop or livestock)

c. Land owned by someone else that you used rent-free

d. Federal, State, Indian reservation, or railroad land rented or leased by the acre

DO NOT INCLUDE in item 2:

Land used on a per-head or animal unit license or permit basis, such as section 3 of the Taylor Grazing Act, National Forest, or Indian reservation permit land. If you had any of these permits, mark "yes" to item 7.

Item 3 — All Land Rented or Leased TO OTHERS — Include all land rented out for any purpose if it was part of the acreage reported in items 1 and 2. A report form will be obtained from each of your tenants to cover the operations on that land.

INCLUDE in item 3:

a. Owned land rented to others for cash or a share of crops or livestock

b. Land you rented from someone and then subleased to someone else

c. Land worked for you by someone for a share of crops or livestock

d. Land which you allowed others to use rent-free

Item 4 — Acres in "THIS PLACE" — This figure will show the total of all land you operated at any time in 1987.

If item 4, Acres in "THIS PLACE " is "0" and:

a. You raised any crops or had any livestock or poultry on **"THIS PLACE"** in 1987, complete the report.

b. All your land was operated by a renter or sharecropper, complete item 6 (name and address of renters), skip to and complete section 29, and explain briefly, "all land rented out," etc. Mail form in return envelope.

c. You did not have any agricultural activity on owned or rented land in 1987, complete section 29 and explain briefly, such as "retired," "sold farm," and date. Give name and address of current operator if known and return form.

▶ Sections 2 through 8 — CROPS

Sections 2 through 8 provide space for reporting crops harvested during the 1987 crop year from the land shown in section 1, item 4 (Acres in "THIS PLACE") of your report. Please report your crops in the appropriate sections. Do NOT include any crops grown on land rented or leased TO OTHERS, or worked by others on shares during 1987.

Acres harvested — Enter the acres harvested in 1987. Round fractions to whole acres except where tenths are requested by "/10" in the reporting box, such as for potatoes.

Quantity harvested — If your unit of measure is different than the unit on the report form, please convert your figure for the quantity harvested to the unit requested. If the harvest was incomplete by December 31, 1987, please report the quantity harvested and estimated quantity to be harvested.

Acres irrigated — For each crop irrigated, report number of acres irrigated. Irrigation is defined as land watered by artificial or controlled means — sprinklers, furrows or ditches, spreader dikes, purposeful flooding, etc. Include acres that received supplemental, partial, and/or preplant irrigation. Do not report water applied in transplanting tobacco plants, trees, or vegetables as irrigation. Leave ''Acres irrigated'' blank for crops that are not irrigated.

How to Report Crops Harvested

▶ **Sections 2 and 3** — Report only for the listed crops.

▶ **Sections 4 through 8** — To report: (1) find the crop name and the code number from the list in the section; (2) enter crop name and code in the first two columns of the first available answer line in the section; (3) enter the information that is requested in the remaining columns. If you harvested a crop not listed in sections 4 through 8, use the ''Other'' code in the appropriate section and specify the crop name.

Double Cropping — If two or more crops were harvested from the same land (double cropping) report the total acres and production of each harvested crop in the appropriate section(s) of the report form.

Example: In 1987 you harvested 1,230 bushels of wheat from 40 acres, then on the same 40 acres planted soybeans, from which you harvested 1,550 bushels. You irrigated the soybeans but not the wheat.

Section 2 Were any of the following CROPS harvested from ''THIS PLACE'' in 1987?

52

	None	Acres harvested	Quantity harvested	Acres irrigated
1. Cotton	☐	091	092 Bales	093
2. Soybeans for beans	☐	088 40	089 1,550 Bu.	053 40
3. Wheat for grain	☐	073 40	074 1,230 Bu.	075
4. Oats for grain	☐	076	077 Bu.	078

Interplanted Crops — If two crops were grown at the same time in alternating strips in the same field, report the portion of the field used for each crop.

Example: A 60 acre field was planted in cotton and soybeans, with two rows of cotton followed by an area of the same width planted in soybeans. No irrigation was used. Thirty acres of soybeans and 30 acres of cotton would be reported in the appropriate section(s).

Skip Row Planting — If a crop is planted in an alternating pattern of planted and non-planted rows, such as two rows planted and two rows skipped (2 X 2), report the portion of the field occupied by the crop in the appropriate section for that crop, and report the skipped portion as ''Cropland idle'' in section 10, item 2f.

▶ **Section 4 — VEGETABLES** — Report acres of vegetables harvested FOR SALE or commercial processing. Do not include vegetables grown for home use. Report the total acreage of each vegetable crop harvested.

Example: In 1987 you harvested 10 acres of lettuce from a field, then replanted the field in lettuce and harvested the 10 acres again. Both crops of lettuce were irrigated. Enter only 10 acres of land from which vegetables were harvested and 10 acres irrigated in item 1 of section 4, but write in 20 acres of lettuce harvested and 20 acres of lettuce irrigated in item 2 of section 4.

▶ **Section 8 — FRUITS and NUTS** — In counting the combined total of 20 or more trees and vines, include those for home use as well as those maintained for sale of the production. Acres in trees or vines that have been abandoned should not be included; these acres should be included in section 10, item 2f ''Cropland idle.''

If crops other than fruit and nut trees and vines were interplanted with trees or vines, report the total acres for the orchard crop in section 8 and the total acres of the interplanted crop in the appropriate section.

▶ Section 9 — GROSS VALUE OF CROPS SOLD

Report the value of all crops sold from ''THIS PLACE'' in 1987, regardless of the year they were harvested or who owned the land. Be sure to report gross values before deducting expenses and taxes. Include Government CCC loans received for ''THIS PLACE'' in 1987. Include payments received in 1987 from cooperatives or marketing organizations for crops produced on ''THIS PLACE'' regardless of the year in which the crops were harvested.

Also include as sales, your estimate of the value of any crop removed from ''THIS PLACE'' in trade for services, such as hay cut in exchange for fence repair, clearing, or other services. If the sale price or market value is not known, give your best estimate of the crop's market value when removed from ''THIS PLACE.''

DO NOT INCLUDE crops or crop products purchased from others and later sold.

▶ Section 10 — USE OF ACRES IN ''THIS PLACE''

This section is used to classify the acres in ''THIS PLACE'' reported in section 1, item 4. (Do not include any acres you rented to others reported in section 1, item 3). The sum of the acres entered in various categories should equal total acres in ''THIS PLACE.''

Land Used for More Than One Purpose -- Do not report the same acreage for more than one of the listed purposes. If part or all of your land was used for more than one listed purpose in 1987, report that land only in the first category listed. For example, if you plowed under a cover crop, and planted and harvested a grain crop, report the land in item 2a, ''Cropland harvested,'' but do NOT report as ''Cropland used for cover crops, legumes, etc.'' (item 2c).

Double Cropping — When more than one crop was harvested from the same land in 1987, report that land only ONCE as ''Cropland harvested,'' in item 2a.

Interplanted Crops — If you interplanted crops, such as cotton in an orchard, report the total land used for both crops only ONCE, as ''Cropland harvested,'' in item 2a.

Skip Row Planted Crops — Report the acres that represent the total nonplanted or skipped rows as ''Cropland idle,'' item 2f. The acres that represent the planted rows should be reported as ''Cropland harvested,'' in item 2a.

▶ Section 12 — ACRES SET ASIDE, DIVERTED, OR IDLED UNDER FEDERAL ACREAGE REDUCTION PROGRAMS IN 1987

Include in item 2 all acres in ''THIS PLACE'' retired from production and placed, by long-term contract, into the Conservation Reserve Program. Acres placed into the program during and prior to 1987 should be included.

▶ Sections 13 through 17 —LIVESTOCK, POULTRY, OTHER LIVESTOCK, OR ANIMAL SPECIALTIES

Animals and Poultry to Include in the Report — Report all animals, poultry, and animal specialties on ''this place'' (section 1, item 4) on December 31, 1987. Include all owned by you and any kept by you for others. Include animals on unfenced lands, National Forest land, district land, cooperative grazing association land, or rangeland administered by the Bureau of Land Management on a per-head or lease basis. Animals in transit on December 31, 1987, or animals on a short-term pasture (such as wheat pasture or crop residue) on a per-head or lease basis should be reported by the person who had control of the animals.

Animals and Poultry to Exclude from the Report — Do not report animals or poultry kept on land rented to others or kept under a share arrangement on land rented to others. Do not include animals quartered in feedlots which are not a part of ''this place.'' Animals kept on a place not operated by you are to be included on the report for that place.

Animals Bought and Sold — DO NOT REPORT ANY ANIMALS BOUGHT AND THEN RESOLD WITHIN 30 DAYS. Such purchases and sales are considered ''dealer'' transactions, and are not included in this census.

Number Sold — Report all animals and poultry sold or removed from ''this place'' in 1987, without regard to ownership or who shared in the receipts. Include animals sold for a landlord or given to a landlord or others in trade or in payment for goods or services. Do NOT report number sold for any livestock or poultry kept on another place.

Dairy Termination Program or ''Whole-Herd Dairy Buy-Out Program'' — The amount received in 1987 from the Government under the dairy termination program should be included in section 19, item 1. Dairy animals and products sold in 1987 should be reported in section 13.

Animals Moved to Another Place — For animals moved from ''this place'' to another place, such as for further feeding, report animals as ''sold'' and give your best estimate of their market value when they left ''this place.''

Fat Cattle Sold — Cattle fattened on grain or concentrates for 30 days or more and sold for slaughter are reported in section 13, item 3a.

DO NOT INCLUDE WITH FATTENED CATTLE SOLD:

a. Cattle and calves sold for further feeding

b. Veal calves, or any calves weighing less than 500 pounds

c. Dairy cows fed only the usual dairy ration before being sold

Value of Sales — Report the total gross value of animals and poultry sold or removed from "this place" in 1987 without deducting production or marketing expenses (cost of feed, cost of livestock purchased, cost of hauling and selling, etc.). If the sale price or market value is not known, give your best estimate of their market value when they left "this place." Do NOT report the value of sales of any livestock and poultry owned by you but kept and sold from a place you did not operate.

Contract and Custom Feeding Operations — Livestock or poultry kept by you on "this place" on a contract or custom basis should be included on this report REGARDLESS OF OWNERSHIP. Report as "INVENTORY" numbers of animals or poultry on the place on December 31, 1987. Report as "SOLD" animals and poultry kept on a contract or custom basis and removed or sold from the place in 1987. If the sale price or market value is not known, give your best estimate of the market value of the animals or poultry when they left the place.

▶ Section 16 — HORSES, BEES, FISH, GOATS, OTHER LIVESTOCK, OR ANIMAL SPECIALTIES

Item 2 — If you owned BEES — Report all colonies or hives of bees and honey operations conducted by you, regardless of where the hives were kept most of the year. Report hives or colonies, pounds of honey sold, and value of sales.

Items 7 and 8 — Mink pelts and rabbit pelts should be included in number sold and value of sales, but not in inventory.

Item 9 — Other Livestock and Livestock Products — Include in all other livestock and livestock products manure, beeswax, and any other animal products sold from "this place" in 1987. Please indicate units used in reporting.

Item 10 — Fish and Other Aquaculture Products — Report number of pounds sold and gross value of sales for each. Enter name and code from list.

▶ Section 17 — POULTRY

The person who furnished the housing and labor should report the poultry operation on his/her report form regardless of who owns the birds. Report as sold poultry that were taken or moved from the place in 1987.

▶ Section 18 — AMOUNT RECEIVED FROM GOVERNMENT CCC LOANS

Item 1 — Report the amount received under the regular or reserve program for commodities placed under CCC loan during 1987. Include amount received even if commodity was redeemed or forfeited prior to December 31, 1987.

Do not include CCC loans received to build crop storage facilities or amount received for storage payments in the reserve program.

▶ Section 19 — FEDERAL PAYMENTS RECEIVED

Report all payments received from Federal Farm Programs in 1987 regardless of whether payment was made in cash or commodity certificates. Include cash payments in item 1. In item 2, include the value of any certificates held or the value received from sale or redemption of any certificates in 1987.

Federal payments include receipts from Federal programs such as deficiency payments, "Whole-herd dairy buy-out," support price payments, indemnity programs, disaster payments, paid land diversion, inventory reduction payments, payments received for approved soil and water conservation projects, etc.

▶ Section 20 — TYPE OF ORGANIZATION

Use the following definitions to determine the type of organization for your operation:

Family or Individual Operation — Defined as farm or business organization controlled and operated by an individual (sole proprietor). Include family operations that are not incorporated and not operated under a partnership agreement.

Partnership Operation — Defined as two or more persons who have agreed on the amount of their contribution (capital and effort) and the distribution of profits. Co-ownership of land by husband and wife or joint filing of income tax forms by husband and wife DOES NOT constitute a partnership, unless a specific agreement to share contributions, decisionmaking, profits, and liabilities exists. Production under contract or under a share rental agreement DOES NOT constitute a partnership.

Incorporated Under State Law — A corporation is defined as a legal entity or artificial person created under the laws of a State to carry on a business. This definition does not include cooperatives. Information on type of corporation should be reported in section 21.

Other — Such as cooperatives (defined as an incorporated or unincorporated enterprise or an association created and formed jointly by the members), estate or trust (defined as a fund of money or property administered for the benefit of another individual or organization), prison farm, grazing association, Indian reservation, institution run by a government or religious entity, etc.

▶ Section 21 — CORPORATE STRUCTURE

This section is to be answered by corporations only. Answer both items. A family-held corporation has more than 50 percent of its stock owned by persons related by blood or marriage.

▶ Section 22 — CHARACTERISTICS AND OCCUPATION OF OPERATOR

This section collects information about the operator of "this place" defined as the individual owner, the operator, the senior partner, or person in charge for the type of organization reported in section 20.

For Family or Individual Operation — Complete this section for the operator.

For Partnership Operations — Answer all items, except item 2, for the "Senior Partner." The "Senior Partner" is the individual who is mainly responsible for the agricultural operations on "this place," not necessarily the person senior in age. If each partner shares equally in the day-to-day management decisions, consider the oldest as the "Senior Partner." For Item 2 (Principal Occupation) consider all members of the partnership together. Please include as "farming" worktime at all types of agricultural enterprises, including work at greenhouses, nurseries, mushroom production, ranching, feedlots, broiler feeding, etc.

For Corporations and Other Operations (Cooperatives, Estates, etc.) — Complete section 22 for the person in charge, such as a hired manager, business manager, or other person primarily responsible for the on-site, day-to-day operation of the farm or ranch business.

Item 4 — Year Began Operation — Report the first year the operator or senior partner began to operate any part of "this place" on a continuous basis. If the operator returned to a place previously operated, report the year operations were resumed.

▶ Section 23 — PRODUCTION EXPENSES paid by you and others for "this place" in 1987

Include farm production expenses paid by you, your landlord, contractors, or anyone else for crops, livestock, or poultry produced on "this place." Include expenses incurred in 1987 even if they were not paid for in 1987. Please estimate if exact figures are not known. Refer to the individual expenditure items below for further explanations.

Livestock and Poultry Purchased — Report the cost of cattle, calves, hogs, pigs, sheep, lambs, horses, goats, chicks, pullets, poults, etc., including breeding stock and dairy cows. Contract growers or custom feeders who did not own or purchase the livestock or poultry themselves should estimate the value of the cattle, calves, pigs, baby chicks, pullets, etc. at the time they came onto the place.

Feed Purchased for Livestock and Poultry — Report the purchase cost of corn, sorghum, oats, barley, other grains, silage, hay, mixed feed, concentrates, etc., fed to livestock and poultry on "this place." Contract livestock and poultry growers should estimate the value of feed provided by the contracting company. Custom feedyards should include feed costs for all cattle fed even if the owners of the cattle were billed for the feed. Feed raised on "this place" should not be reported as purchased.

Cost of Hired Farm and Ranch Labor — Include gross salaries and wages, commissions, dismissal pay, vacation pay, and paid bonuses paid to hired workers, family members, hired managers, administrative and clerical employees, and salaried corporate officers. Also, include supplemental cost for benefits such as employer's social security contributions, unemployment compensation, workmen's compensation insurance, life and medical insurance, pension plans, etc.

Contract Labor — Includes the labor costs of workers furnished on a contract basis by a labor contractor, crew leader, or cooperative for harvesting vegetables or fruit, shearing sheep, or similar farm activities. Do not include costs for building or repair work done by a construction contractor. Include the cost of customwork or machine hire in item 11.

Repair and Maintenance Expenses for the Upkeep of Buildings, Motor Vehicles, and Farm Equipment — Include the cost of repairs and upkeep of farm machinery, vehicles, buildings, fences, and other equipment used in the farm business. Do not include repairs to vehicles not used in the farm business or for equipment used only for performing customwork for others. Do not include expenditures for the construction of new buildings or the cost of additions to existing buildings.

Interest Expense Paid on Debts — Report all interest expenses paid in 1987 for the farm business. Include interest on loans secured by land and buildings (real estate) in item 12a. Include all loans not secured by real estate such as for fertilizer, feed, and seed in item 12b. Include interest paid on CCC loans. Do not include interest associated with activities not related to production of crops or livestock on "this place" such as land or buildings rented to others, packing sheds, or feed mills that provide services to others. Do not include interest on owner/operator dwelling where amount is separated from interest on other land and buildings on "this place."

Cash Rent Paid for Land and Buildings In 1987 — Report rent paid in cash during 1987 for land and buildings in "this place." Do not include rent paid for operator dwelling or other nonfarm property. Do not include the value of shares of crops or livestock paid to landlords.

Property Taxes Paid — Include real estate property taxes you paid on the acres and buildings you operated and used in the farm business.

Do not include:

a. Property taxes on land or buildings rented to someone else
b. Taxes paid by landlords
c. Property taxes paid on other property not associated with the farm business
d. Income and excise taxes

All Other Production Expenses — Farm production costs not previously listed should be reported here. In addition to items listed on the report form, include bookkeeping charges, tax preparation fees, postage, advertising, commission for sale of cattle, and fees paid for farm-related advice or for farm consultants. Do not include depreciation or expenditures for the purchase of land and buildings or new or used machinery.

▶ Section 24 — COMMERCIAL FERTILIZER AND LIME

Report acres on which commercial fertilizer (items 1 and 2) or lime (item 3) was applied during 1987. If any acreage was fertilized or limed more than once, report acres ONLY ONCE in each item. Report expense for commercial fertilizer purchased, excluding lime, in section 23, item 4.

▶ Section 26 — MACHINERY AND EQUIPMENT

The estimated market value in item 1 refers to ALL machinery and equipment kept primarily on "this place" and used for the farm business. Report the value in its present condition, not the replacement or depreciated value. Specialized equipment, which is an integral part of a building, should be included as a part of the value of land and buildings.

▶ Section 27 — ESTIMATED CURRENT MARKET VALUE OF LAND AND BUILDINGS

The value for each of the three listed categories should be your estimate of the value of the land and buildings if they were sold in the current market. The real estate tax assessment value should not be used unless that value represents a full market value assessment and the land and buildings could reasonably be assumed to be sold at that price. Do not deduct real estate marketing charges from your estimate. Report the total value, not the value on a per acre basis.

▶ Section 28 — INCOME FROM FARM—RELATED SOURCES IN 1987

Item 1 through 4 refer only to those income producing activities for which you use part of the land, machinery, equipment, labor, or capital normally used on "this place," and which you do not consider as entirely separate from your farming activities. Report gross amounts received before taxes and expenses.

Item 1 — Customwork — Do not report income for customwork or agricultural services provided to others if operated as an entirely separate business from your agricultural operations.

Item 2 — Rental Income — Do not include rental income from nonfarm property.

Item 3 — Forest Products — Include only those forest products or Christmas trees cut from "this place," not items cut from other nonfarm timber acreage. Do not include income from saw mill business.

Item 4 — Other Farm-Related Income — Include income from hunting leases, fishing fees, and other recreational services, sales of farm by-products, and other business or income closely related to the agricultural operation on "this place." Include dividends for business done with farmer-owned cooperatives. Do not enter previously reported farm sales or income from investments not associated with the farm. Do not include retirement pensions or social security benefits received.

DUE BY FEBRUARY 1, 1988

FORM **87-A0400**
(3-13-87)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

OMB No. 0607-0534: Approval Expires September 30, 1989

AG CENSUS USA

UNITED STATES CENSUS OF AGRICULTURE

Please complete this form and RETURN TO

BUREAU OF THE CENSUS
1201 East Tenth Street
Jeffersonville, IN 47133

Note — If your records are not available, reasonable estimates may be used. If you cannot file by February 1, a time extension request may be sent to the above address. Include your 12-character Census File Number (CFN) as shown in your address label in all correspondence to us.

If you received more than one report form, enter extra Census File Number(s) here and return extra copies with your completed report.

A ☐☐☐☐☐ — ☐☐☐☐☐☐
A ☐☐☐☐☐ — ☐☐☐☐☐☐

CENSUS USE ONLY	035	036	037	038
	039	040	041	042

NOTICE — Response to this inquiry is required by law (title 13, U.S. Code). By the same law YOUR REPORT TO THE CENSUS BUREAU IS CONFIDENTIAL. It may be seen only by sworn Census employees and may be used only for statistical purposes. Your report CANNOT be used for purposes of taxation, investigation, or regulation. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this report, please refer to your Census File Number (CFN)

87-A0400

Please correct errors in name, address, and ZIP Code. ENTER street and number if not shown.

SECTION 1

1. At any time during 1987, did you plant, grow, or have any:
   - Hay or tobacco?
   - Corn, wheat, or other grains?
   - Other crops?
   - Fruit, nut, or citrus trees; grapevines?
   - Vegetables, melons, or berries?
   - Greenhouse or nursery crops?

   ☐ Yes ☐ No

2. At any time during 1987, did you raise, sell, or keep any:
   - Cattle, hogs, sheep, or goats?
   - Chickens or other poultry?
   - Bees?
   - Horses or ponies?
   - Fish in captivity?
   - Other animal specialties?

   ☐ Yes ☐ No

If you answered YES to EITHER of these questions, go to SECTION 2.
If you answered NO to BOTH of these questions, go to SECTION 10.

SECTION 2

ACREAGE IN 1987 Report land owned, rented, or used by you, your spouse, or by the partnership, corporation, or organization for which you are reporting. Include ALL LAND, REGARDLESS OF LOCATION OR USE — cropland, pastureland, rangeland, woodland, idle land, house lots, etc.

	None	Number of acres
1. All land owned	☐	043
2. All land rented or leased FROM OTHERS, including land worked by you on shares, used rent free, in exchange for services, payment of taxes, etc. Include leased Federal, State, and railroad land. (DO NOT include land used on a per-head basis under a grazing permit.)	☐	044
3. All land rented or leased TO OTHERS, including land worked on shares by others and land subleased. Also complete item 5 below.	☐	045
4. **Acres in "THIS PLACE"** — ADD acres owned (item 1) and acres rented (item 2), then SUBTRACT acres rented TO OTHERS (item 3), and enter the result in this space. →		046

If the entry is zero please refer to the Information Sheet, section 2.

5. Of the land you rented or leased to others, how many acres did you own? None ☐ 053 ______ Acres

	County name	State
6. In what county was the largest value of your agricultural products raised or produced?		

SECTION 3

LAND USE and IRRIGATION

• PART A — How were the ACRES in this place used in 1987?

	None	Number of acres
1. Cropland harvested — *Include all land from which crops were harvested or hay was cut, and all land in orchards, citrus groves, vineyards, and nursery and greenhouse crops.*	☐	787
2. Cropland on which all crops failed — *(Exception: Do not report here land in orchards and vineyards on which the crop failed.)*	☐	790
3. Cropland idle, cropland used for cover crops, or cropland in cultivated summer fallow	☐	793
4. Cropland used only for pasture, woodland pastured, and other pastureland and rangeland	☐	796
5. All other woodland, wasteland, houselots, etc. not reported in items 1 through 4 above	☐	797

• PART B — IRRIGATION

	None	Number of acres irrigated
1. How many acres of harvested land were irrigated? *Include land from which hay was cut and land in bearing and nonbearing fruit and nut crops.*	☐	680
2. How many acres of pastureland, rangeland, and any other lands not included in item 1 above were irrigated?	☐	681

PENALTY FOR FAILURE TO REPORT

SECTION 4

• PART A — CROPS HARVESTED from "THIS PLACE" in 1987.

(Do not include crops grown on land rented to others.)

	None	Acres harvested	Quantity harvested	Gross value of crops sold — Dollars	Cents
1. Hay crops —					
a. Alfalfa and alfalfa mixtures	☐	103	104 Tons, dry	782 $	00
b. Small grain hay	☐	106	107 Tons, dry	782 $	00
c. Wild hay	☐	112	113 Tons, dry	782 $	00
d. Other hay — *Specify kind* ______	☐	109	110 Tons, dry	782 $	00
2. Corn for grain or seed	☐	067	068 Bu.	773 $	00
3. Soybeans for beans	☐	088	089 Bu.	775 $	00
4. Wheat for grain	☐	073	074 Bu.	774 $	00
5. Tobacco — all types	☐	094 /10	095 Lbs.	781 $	00
6. Potatoes, Irish — *(Do not include those grown for home use.)*	☐	097 /10	098 Cwt.	785 $	00

	None	Total acres	Dollars	Cents
7. All vegetables for sale *(Do not include those grown for home use.)*	☐	075 /10	783 $	00
Specify kind(s)		/10	▨	▨
		/10	▨	▨

	None	Total acres	Quantity harvested	Dollars	Cents
8. All fruit and nut orchards, vineyards, and berries	☐	121 /10	▨	784 $	00
Specify kind(s)		/10	Lbs.	▨	▨
		/10	Lbs.	▨	▨

9. Other crops — *For additional crops, enter the crop name and code from the list below. Report quantity harvested in the unit specified with crop name.*

Crop name	Code	Acres harvested	Quantity harvested	Gross value of crops sold — Dollars	Cents
			1	2 $	00
			1	2 $	00

If more space is needed, use a separate sheet of paper.

Crop name	Code	Crop name	Code
Barley for grain (bushels)	079	Oats for grain (bushels)	076
Corn for silage or green chop (tons, green)	070	Sorghum for grain-milo (bushels)	082
Cotton (bales)	081	Other crops (pounds) — *Specify*	762

• PART B — NURSERY and GREENHOUSE CROPS GROWN FOR SALE on "THIS PLACE" in 1987

From the list below, enter the crop name and code for each crop grown.

Crop name	Code	Square feet under glass or other protection	Acres in the open in 1987 — Whole acres	Tenths	Sales in 1987 — Dollars	Cents
			1	/10	2 $	00

If more space is needed, use a separate sheet of paper.

Crop name	Code	Crop name	Code
Bedding plants (include vegetable plants)	479	Potted flowering plants	710
Cut flowers and cut florist greens	485	Foliage plants	707
Nursery crops — ornamentals, fruit and nut trees, and vines	488	Greenhouse vegetables	503
		Other — *Specify*	508

CONTINUE ON REVERSE SIDE →

SECTION 5 LIVESTOCK and POULTRY

• PART A — CATTLE and CALVES

	None	INVENTORY Number on this place Dec. 31, 1987
1. CATTLE and CALVES of all ages	☐	803 Total
a. BEEF COWS — *Include beef heifers that had calved.*	☐	804 Beef cows
b. MILK COWS kept for production of milk or cream for sale or home use — *Include dry milk cows and milk heifers that had calved.*	☐	805 Milk cows

	None	Gross value of sales — Dollars	Cents
2. Value of DAIRY PRODUCTS sold in 1987 — *Include milk, cream, butter, etc.*	☐	814 $	00

• **CATTLE and CALVES SOLD FROM THIS PLACE IN 1987**
Include as sold cattle moved from this place to a feedlot for further feeding.

	None	Number sold in 1987	Gross value of sales — Dollars	Cents
3. Calves less than 500 pounds	☐	808	809 $	00
4. Cattle — *Include calves 500 pounds or more*	☐	810	811 $	00
a. Of ALL cattle sold, how many were FATTENED on this place on GRAIN or CONCENTRATES for 30 days or more and SOLD for SLAUGHTER?	☐	812	813 $	00

• PART B — HOGS and PIGS

	None	INVENTORY Number on this place Dec. 31, 1987
1. HOGS and PIGS of all ages	☐	815 Total
a. HOGS and PIGS used or to be used for breeding	☐	816 Breeding

	None	Number sold in 1987	Gross value of sales — Dollars	Cents
2. HOGS and PIGS SOLD from this place in 1987.	☐	820	821 $	00
3. Of the hogs and pigs sold, how many were sold as FEEDER PIGS for further feeding? . .	☐	822	823 $	00

• PART C — SHEEP and LAMBS

	None	INVENTORY Number on this place Dec. 31, 1987	NUMBER SOLD in 1987
1. SHEEP and LAMBS of all ages	☐	824	825
a. EWES 1 year old or older.	☐	826	▨

	None		
2. SHEEP and LAMBS SHORN in 1987	☐	827 Number	828 Pounds wool

	None	Gross value of sales — Dollars	Cents
3. What was the gross value of sales of SHEEP, LAMBS, and WOOL from this place in 1987?	☐	829 $	00

• PART D — POULTRY

	None	INVENTORY Number on this place Dec. 31, 1987	Number sold in 1987
1. HENS and PULLETS			
a. HENS and PULLETS of laying age	☐	852	853
b. PULLETS 3 months old or older not yet of laying age for layer replacement	☐	854	855
c. PULLETS under 3 months old for layer replacement	☐	856	
2. BROILERS, fryers, other meat-type chickens . .	☐	858	859
3. TURKEYS for slaughter *(Do not include breeders.)*	☐	900	901
4. OTHER POULTRY *(Enter name/code from below.)*			1

Poultry name ____________________ Code ______

Name/code		Name/code		Name/code	
Turkey hens kept for breeding	902	Geese	906	Quail.	912
Ducks.	904	Pigeons or squab. . . .	908	All other poultry — Specify.	914
		Pheasants.	910		

	None	Gross value of sales — Dollars	Cents
5. Value of POULTRY and POULTRY PRODUCTS (eggs, etc.) sold from this place in 1987?	☐	813 $	00

FORM 87-A0400 (3-13-87)

• PART E — HORSES, OTHER LIVESTOCK, ANIMAL SPECIALTIES, and FISH

	None	INVENTORY Number on this place Dec. 31, 1987	Total quantity sold in 1987	Gross value of sales — Dollars	Cents
1. Horses and ponies of all ages	☐	830	831 Number	832 $	00
2. Colonies of bees . .	☐	839	840 Number 841 Pounds honey	842 $	00
3. Milk goats	☐	843	844 Number 845 Gallons milk	846 $	00
4. Angora goats	☐	847	848 Number 849 Pounds mohair	850 $	00
5. Other livestock, fish, animal products. *(Enter name/code from below.)*			1 Quantity	2 $	00

Name ____________ Code ______

Name/code		Name/code		Name/code	
Mules, burros, donkeys . .	833	Rabbits and their pelts . .	834	Other livestock, fish, and their products . . .	857
Mink and their pelts	836	Other goats	851		

SECTION 6 GOVERNMENT CCC LOANS

Amount received in 1987 from Government CCC loans. *Include regular and reserve loans, even if redeemed or forfeited.*

	None	Dollars	Cents
Specify crop(s) ________________________	☐	886 $	00

SECTION 7 Payments received for participation in FEDERAL FARM PROGRAMS in 1987 *(DO NOT INCLUDE CCC loans.)*

	None	Dollars	Cents
1. Amount received in cash	☐	884 $	00
2. Value of certificates received — payment-in-kind (PIK) or commodity certificates.	☐	885 $	00

SECTION 8 Acres in this place SET ASIDE, DIVERTED, or IDLED under FEDERAL acreage reduction programs in 1987

	None	Number of acres
1. How many acres were set aside (or diverted) under ANNUAL commodity acreage adjustment programs? . . .	☐	882
2. How many acres were under the CONSERVATION RESERVE PROGRAM (10 year, CRP)?	☐	883

SECTION 9 CHARACTERISTICS and OCCUPATION OF OPERATOR (Senior partner or person in charge)

1. RESIDENCE — Does the operator live on this place? . . . . 923 1☐ Yes 2☐ No

2. PRINCIPAL OCCUPATION — At which occupation did the operator spend the majority (50 percent or more) of his/her worktime in 1987? *For partnerships consider all members of the partnership together.* . . . . 928 1☐ Farming or ranching 2☐ Other

3. OFF-FARM WORK — How many days did the operator work at least 4 hours per day **off** this place in 1987? *—Include work at a nonfarm job, business, or on someone else's farm for pay. (Do not include exchange farmwork.)* 929
- 1☐ None
- 2☐ 1—49 days
- 3☐ 50—99 days
- 4☐ 100—149 days
- 5☐ 150—199 days
- 6☐ 200 days or more

4. In what YEAR did the operator begin to operate any part of this place? . . . . 060 ____________ Year

5. AGE of operator . . . . 925 ____________ Years old

6. RACE of operator 924
- 1☐ White
- 2☐ Negro or Black
- 3☐ American Indian
- 4☐ Asian or Pacific Islander
- 5☐ Other — *Specify* ____________

7. SEX of operator . . . . 926 1☐ Male 2☐ Female

8. SPANISH ORIGIN — Is the operator of Spanish origin or descent (Mexican, Puerto Rican, Cuban, or other Spanish)? . . . . 927 1☐ Yes 2☐ No

SECTION 10 PERSON COMPLETING THIS REPORT — *Please print*

Name		060 Date
Telephone number	Area code ___	Number ___ – ____

Page 2

FORM 87-A04(I)
(3-31-87)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

INFORMATION SHEET
1987 UNITED STATES CENSUS OF AGRICULTURE

Special Reporting Instructions

1. Who Should Report

WE NEED A REPLY FROM EVERYONE RECEIVING A REPORT FORM, INCLUDING individuals, landlords, tenants, partnerships, corporations, institutions, and THOSE NOT CONDUCTING AGRICULTURAL OPERATIONS. Each case included in the census has a unique Census File Number (CFN). In order to make the census results as complete and accurate as possible, we need to obtain information about every CFN.

2. If You Received More Than One Report Form for an Operation

Complete only ONE report form for an operation. Write "Duplicate" near the address label of each extra report form. Also, write the 11-digit census file number(s) of the DUPLICATE report(s) ON THE COMPLETED REPORT in the space provided to the left of the address label. Return the extra report(s) in the same envelope with your completed report form so that we can correct our records.

3. If You No Longer Farm

If you had agricultural operations at any time during 1987, please report all agricultural activity during the year. Report all land on your census form that you owned or rented. Also, report your 1987 crop and livestock production and 1987 sales.

Explain on the first page of the report form (or on a separate sheet of paper) that you quit farming or ranching and give the approximate date and the name and address of the present operator, if known.

4. If You Never Farmed or Have No Association With Agriculture

Please write a note on the report form near the address label explaining this and return the form so that we can correct our records. In our efforts to make the census as complete as possible, we obtained lists from various sources. We tried to eliminate duplicate and nonfarm addresses, however, it was not always possible to do so.

5. If You Have More Than One Agricultural Operation

Complete a report form for EACH SEPARATE and DISTINCT production unit, i.e., each individual farm, ranch, feedlot, greenhouse, etc., or combination of farms, etc., for which you maintain SEPARATE records of operating expenses and sales, livestock and other inventories, crop acreages, and production.

6. If You Have a Partnership Operation

Complete only ONE report for the entire partnership's agricultural operation and include all partners' shares on the one report. If members of the partnership also operate separate farms or ranches in addition to the partnership farming operation, separate report forms should be completed for each individual operation.

If two or more report forms were received for the same operation, mark each additional form as a "Duplicate." Return the duplicate report(s) in the same envelope with the completed partnership report, where possible, or write a note on the duplicate report, such as, "*(Name of partner)* has completed a report for the partnership *(provide name and CFN of partnership.)*"

7. Landlord's or Contractor's Share

If you rented or leased land from others or had a contract for the production of agricultural products, include both your share and the landlord's or contractor's share of the production, sales, and expenses so your census report form will be complete for "THIS PLACE."

If you do not know the landlord's or contractor's share, include your BEST ESTIMATE. If you do not have records available for all data items, use your best estimate.

8. How to Enter Your Response

Enter your replies in the proper spaces, on the correct lines, and in the units requested, i.e., dollars, bushels, tons, etc. Write any explanation outside the answer spaces or on a separate sheet of paper.
All dollar figures may be entered in whole dollars. CENTS ARE NOT REQUIRED.

Enter whole numbers except where tenths are requested, such as acres of potatoes harvested. If you have 1/2, 1/3, or 1/4 of an acre, convert to tenths. For example, convert 1/2 to 5/10, 1/3 to 3/10, 1/4 to 2/10.

The census report form will contain sections and questions which do not apply to you. When this occurs, mark the "None" or "No" box and go on to the next item or section.

Instructions For Specified Sections

► Section 2 — ACREAGE IN 1987

Your answers to this section will determine the land **(Acres in "THIS PLACE")** referred to in the rest of the report form.

When answering the acreage questions, include the land associated with your agricultural operations in 1987 whether in production or not. Include **all** land that you owned or rented during 1987 **even if** only for part of the year. Do not include any unrelated residential or commercial land.

Report all land in section 2 in whole acres.

Item 1 — All Land Owned — Report all land owned in 1987 whether held under title, purchased contract or mortgage, homestead law, or as heir or trustee of an undivided estate. Include all land owned by you and/or your spouse, or by the partnership, corporation, or organization for which you are reporting.

Item 2 — All Land Rented or Leased FROM OTHERS — Report all land rented by you or your operation even though the landlord may have supplied materials or supervision.

INCLUDE in item 2:

- a. Land for agricultural use that you rented from others for cash
- b. Land you worked on a share basis (crop or livestock)
- c. Land owned by someone else that you used rent-free
- d. Federal, State, Indian reservation, or railroad land rented or leased by the acre

DO NOT INCLUDE in item 2:

Land used on a per-head or animal unit license or permit basis, such as section 3 of the Taylor Grazing Act, National Forest, or Indian reservation permit land.

Item 3 — All Land Rented or Leased TO OTHERS — Include all land rented out for any purpose if it was part of the acreage reported in items 1 and 2. A report form will be obtained from each of your tenants to cover the operations on that land.

INCLUDE in item 3:

- a. Owned land rented to others for cash or a share of crops or livestock
- b. Land you rented from someone and then subleased to someone else
- c. Land worked for you by someone for a share of crops or livestock
- d. Land which you allowed others to use rent-free

Item 4 — Acres in "THIS PLACE" — This figure will show the total of all land you operated at any time in 1987.

If item 4, Acres in "THIS PLACE" is "0" and:

- a. You raised any crops or had any livestock or poultry on "THIS PLACE" in 1987, complete the report.
- b. All your land was operated by a renter or sharecropper, skip to and complete section 10, and explain briefly, "All land rented out," etc. Mail form in return envelope.
- c. You did not have any agricultural activity on owned or rented land in 1987, complete section 10 and explain briefly, such as "retired," "sold farm," and date. Give name and address of current operator if known and return form.

► Section 3 — LAND USE AND IRRIGATION

This section is used to classify the acres in "THIS PLACE" reported in section 2, item 4. Do not include any acres you rented to others reported in section 2, item 3. The sum of the acres entered in various categories should equal total acres in "THIS PLACE."

Land Used for More Than One Purpose — Do not report the same acreage for more than one of the listed purposes. If part or all of your land was used for more than one listed purpose in 1987, report that land only in the first category listed. For example, if you harvested a crop and later used the same land for pasture, report the land in part A, item 1, "Cropland harvested."

Double Cropping — When more than one crop was harvested from the same land in 1987, report that land only ONCE as "Cropland harvested," in part A, item 1 of this section.

Interplanted Crops — If you interplanted crops, such as cotton in an orchard, report the total land used for both crops only ONCE, as "Cropland harvested," in part A, item 1.

Skip Row Planted Crops — Report the acres that represent the total nonplanted or skipped rows as "Cropland idle," part A, item 3, the acres that represent the planted rows should be reported as "Cropland harvested," part A, item 1.

Irrigation is defined as land watered by artificial or controlled means — sprinklers, furrows or ditches, spreader dikes, purposeful flooding, etc. Include acres that receive supplemental, partial, and/or preplant irrigation. Do not report water applied in transplanting tobacco plants, trees, or vegetables as irrigation.

► Section 4 — CROPS

This section provides space for reporting crops harvested during the 1987 crop year from the land shown in section 2, item 4 (Acres in "THIS PLACE") of your report. A few crops are already listed on the form. For these crops, just report acres harvested, quantity harvested, and value of sales. If you produced crops not listed, write the name of the crop and code from the list provided and report the acres harvested, quantity harvested, and the value of sales.

DO NOT INCLUDE:

a. Any crops grown on land rented or leased TO OTHERS, or worked by others on shares during 1987.

b. Crops or crop products purchased from others and later sold.

Acres Harvested — Enter the acres harvested in 1987. Round fractions to whole acres except where tenths are requested by "/10" in the reporting box, such as potatoes.

Quantity Harvested — If your unit of measure is different than the unit on the report form, please convert your figure for the quantity harvested to the unit requested. If the harvest was incomplete by December 31, 1987, please report the quantity harvested and the estimated quantity to be harvested.

Gross Value of Crops Sold — Report the value of all crops sold from "THIS PLACE" in 1987, regardless of the year they were harvested or who owned the land. Be sure to report gross value before deducting expenses and taxes. Include Government CCC loans received for "THIS PLACE" in 1987. Include payments received in 1987 from cooperatives or marketing organizations for crops produced on "THIS PLACE."

Item 7 — Vegetables — Report acres of vegetables harvested FOR SALE or commercial processing. Do not include vegetables grown for home use. Report the total acreage of each vegetable crop harvested.

Item 8 — Fruit Orchards, Citrus, Vineyards, and Nut Trees — Report only if total of 20 or more trees and vines, include those for home use as well as those maintained for sale of their production. Acres in trees and vines that have been abandoned should not be included, these acres should be included in section 3, part A, item 3 "Cropland idle."

If crops other than fruit and nut trees and vines were interplanted with trees or vines, report the total acres for the orchard crop in item 8 and the total acres of the interplanted crop in the appropriate item.

Item 9 — Other Crops — To report: (1) find the crop name and the code number from the list under item 9; (2) enter crop name and code in the first two columns of the first available answer line under item 9; (3) enter the information that is requested in the remaining columns. If you harvested a crop not listed, use the "OTHER" code and specify the crop name. If you need additional space, use a separate sheet of paper to write the crop name(s), acres and quantity harvested, and gross value of crop(s) sold.

► Section 5 — LIVESTOCK, POULTRY, OTHER LIVESTOCK, OR ANIMAL SPECIALTIES

Parts A, B, C, and D — LIVESTOCK AND POULTRY

Animals and Poultry to Include in the Report — Report all animals, poultry, and animal specialties on "this place" (section 2, item 4) on December 31, 1987. Include all owned by you and any kept by you for others. Include animals on unfenced lands, National Forest land, district land, cooperative grazing association land, or rangeland administered by the Bureau of Land Management on a per-head or lease basis. Animals in transit on December 31, 1987, or animals on a short-term pasture (such as wheat pasture or crop residue) on a per head or lease basis should be reported by the person who had control of the animals.

Animals and Poultry to Exclude from the Report — Do not report animals or poultry kept on land rented to others or kept under a share arrangement on land rented to others. Do not include animals quartered in feedlots which are not a part of "this place." Animals kept on a place not operated by you are to be included on the report for that place.

Animals Bought and Sold — DO NOT REPORT ANY ANIMALS BOUGHT AND THEN RESOLD WITHIN 30 DAYS. Such purchases and sales are considered "dealer" transactions, and are not included in this census.

Number Sold — Report all animals and poultry sold or removed from "this place" in 1987, without regard to ownership or who shared in the receipts. Include animals sold for a landlord or given to a landlord or others in trade or in payment for goods or services. Do NOT report number sold for any livestock or poultry kept on another place.

Dairy Termination Program or "Whole-Herd Dairy Buy-Out Program" — The amount received in 1987 from the Government under the dairy termination program should be included in section 7, item 1. Dairy cattle and calves sold should be reported in section 5, part A.

Animals Moved to Another Place — For animals moved from "this place" to another place, such as for further feeding, report animals as "sold" and give your best estimate of their market value when they left "this place."

Fat Cattle Sold — Cattle fattened on grain or concentrates for 30 days or more and sold for slaughter are reported in section 5, part A, item 4a.

DO NOT INCLUDE WITH FATTENED CATTLE SOLD:

a. Cattle and calves sold for further feeding

b. Dairy cows fed only the usual dairy ration before being sold

c. Veal calves, or any calves weighing less than 500 pounds

Value of Sales — Report the total gross value of animals and poultry sold or removed from "this place" in 1987 without deducting production or marketing expenses (cost of feed, cost of livestock purchase, cost of hauling and selling, etc.). If the sale price or market value is not known, give your best estimate of their market value when they left "this place." Do NOT report the value of sales of any livestock and poultry owned by you but kept and sold from a place you did not operate.

Contract and Custom Feeding Operations — Livestock or poultry kept by you on "this place" on a contract or custom basis should be included on this report REGARDLESS OF OWNERSHIP. Report as "INVENTORY" numbers of animals or poultry on the place on December 31, 1987. Report as "SOLD" animals and poultry kept on a contract or custom basis and removed or sold from the place in 1987. If the sale price or market value is not known, give your best estimate of the market value of the animals or poultry when they left the place.

The person who furnished the housing and labor should report the poultry operation on his/her report form regardless of who owned the birds. Report as sold the number of poultry that were taken or moved from the place in 1987.

Part E — HORSES, OTHER LIVESTOCK, ANIMAL SPECIALTIES, AND FISH

If you owned BEES — Report all colonies or hives of bees and honey operations conducted by you, regardless of where the hives were kept most of the year. Report hives or colonies, pounds of honey sold, and value of sales.

Other Livestock and Livestock Products — Include in all other livestock and livestock products manure, beeswax, and any other animal products sold from "this place" in 1987. Mink pelts and rabbit pelts should be included in number sold and value of sales, but not in inventory.

Fish and Other Aquaculture Products — Report quantity sold and gross value of sales for each.

► Section 6 — AMOUNT RECEIVED FROM GOVERNMENT CCC LOANS

Item 1 — Report the amount received under the regular or reserve program for commodities placed under CCC loan during 1987. Include amount received even if commodity was redeemed or forfeited prior to December 31, 1987.

Do not include CCC loans received to build crop storage facilities or amount received for storage payments in the reserve program.

► Section 7 — FEDERAL PAYMENTS RECEIVED

Report all payments received from Federal Farm Programs in 1987 regardless of whether payment was made in cash or commodity certificates. Include cash payments in item 1. In item 2, include the value of any certificates held or the value received from sale or redemption of any certificates in 1987.

Federal payments include receipts from Federal programs such as deficiency payments, "Whole-Herd Dairy Buy-Out," support price payments, indemnity programs, disaster payments, paid land diversion, inventory reduction payments, payments received for approved soil and water conservation projects, etc.

► Section 8 — ACRES SET ASIDE, DIVERTED, OR IDLED UNDER FEDERAL ACREAGE REDUCTION PROGRAMS IN 1987

Include in item 2 all acres in "this place" retired from production and placed, by long-term contract, into the Conservation Reserve Program. Acres placed into the program during and prior to 1987 should be included.

► Section 9 — CHARACTERISTICS AND OCCUPATION OF OPERATOR

This section collects information about the operator of "this place" defined as the individual owner, the operator, the senior partner, or person in charge.

For Family or Individual Operation — Complete this section for the operator.

For Partnership Operations — Answer all items, except item 2, for the "Senior Partner." The "Senior Partner" is the individual who is mainly responsible for the agricultural operations on "this place," not necessarily the person senior in age. If each partner shares equally in the day-to-day management decisions, consider the oldest as the "Senior Partner." For item 2 (Principal Occupation) consider all members of the partnership together. Please include as "farming or ranching" worktime at all types of agricultural enterprises, including work at greenhouses, nurseries, mushroom production, ranching, feedlots, broiler feeding, etc.

For Corporation and Other Operations (Cooperatives, Estates, etc.) — Complete section 9 for the person in charge, such as a hired manager, business manager, or other person primarily responsible for the on-site, day-to-day operation of the farm or ranch business.

Item 4 — Year Began Operation — Report the first year the operator or senior partner began to operate any part of "this place" on a continuous basis. If the operator returned to a place previously operated, report the year operations were resumed.

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(Index items not reported for the State will not appear in designated tables)

Item	State tables	County tables
A		
Abnormal farms	19	–
Acreage reduction program	7,10,48-53	5
Age of operator	1,16,48-53	1,10,16
Agricultural products sold, market value	1,2,10,18,47,48-53	1,2,16
Agricultural services income	5,48-53	4
Alfalfa hay	43,44,48-53	26
Alfalfa seed	43,44	26
Almonds	45,48-53	28
American Indian operator	17	34
Angora goats	41	18
Apples	45,48-53	28
Apricots	42	28
Aquacultural products	41	21
Artichokes	–	27
Asian or Pacific Islander operator	17	34
Asparagus	–	27
Assets, value	1,10-12,18, 47,48-53	1,5,8,16
Austrian winter peas	–	26
Avocados	45	28
B		
Bahia grass seed	–	26
Balers, pickup	13,48-53	8
Bananas	45	28
Barley for grain	1,42-44,48-53	1,15,16,24
Barley for grain sales, value	2,48-53	2,16
Beans, dry edible	42-44,48-53	15,16,25
Beans, dry lima	–	25
Beans, green lima	–	27
Beans, snap (bush and pole)	44,48-53	27
Beans, soybeans	1,42-44,48-53	1,15,16,25
Bedding plants	46	30
Beef cows	1,20,25,29,48-53	1,11,16
Bees, colonies	41	20
Beets, sugar	42-44,48-53	1,15,16,25
Beets, table	–	27
Bentgrass seed	–	26
Bermuda grass seed	–	26
Berries	42,44,48-53	29
Birdsfoot trefoil seed	–	26
Blackberries	–	29
Black operators and other races	16,17,48-53	32-34
Blueberries	44	29
B—Con.		
Bluegrass seed, Kentucky	44	26
Boysenberries	–	29
Breeding hogs and pigs	32,48-53	12,16
Broccoli	–	27
Broilers	1,20-22,48-53	1,14,16
Bromegrass seed	–	26
Brussels sprouts	–	27
Buckwheat	–	24
Bulbs	46	30
Bulls, bull calves, steers, and steer calves	20,25,48-53	11,16
Burros, donkeys, and mules	41	23
C		
Cabbage	–	27
Cantaloups	44	27
Carrots	–	27
Cash, government farm programs payments	5	4
Cash rent, expenses	3,10,48-53	3,16
Cash rent or share payments received, farm-related income	5,48-53	4
Catfish sales	–	21
Cattle and calves	1,10,20,25,27,47, 48-53	1,11,16
Cattle and calves sales, value	2,20,26,31,47, 48-53	2,11,16
Cauliflower	–	27
Celery	–	27
Certificates, government farm programs payments	5	4
Chemicals, expenses	1,3,10,15,47,48-53	3,16
Chemicals used	15,48-53	9
Cherries	45,48-53	28
Chickens 3 months old or older	1,20,21,23,48-53	1,14
Chicory	–	27
Chinese cabbage	–	27
Chinese or ming peas	–	27
Christmas trees and forest products sales, farm-related income	5,48-53	4
Citrus fruit	45,48-53	28
Clover seed	–	26
Coffee	45	28
Collards	–	27
Colonies of bees	41	20
Combines, grain and bean, all types	13,48-53	16

INDEX—Con.

(Index items not reported for the State will not appear in designated tables)

Item	State tables	County tables
C—Con.		
Commercially mixed formula feed purchased	1,3,48-53	3,16
Commodity Credit Corporation loans	6,10,48-53	4
Conservation reserve programs	7,10,48-53	5
Contract labor expenses	3,10,48-53	3,16
Corn, field	1,42-44,48-53	1,15,16,24,31
Corn for grain sales, value	2,48-53	2,16
Corn, sweet	44,48-53	27
Corn, sweet, for seed	-	31
Corporation, family held	16,48-53	10,16
Corporation, nonfamily held	16,48-53	10,16
Corporation, type of organization	1,16,48-53	-
Cotton	1,42,44,47,48-53	1,15,16,25
Cotton sales, value	2,47,48-53	2,16
Cottonpickers and strippers	13,48-53	8
Cowpeas for dry peas	-	25
Cowpeas, green	-	27
Cows and heifers that had calved	20,25,48-53	11,16
Cranberries	44	29
Cropland diverted, set aside	7,10,48-53	5
Cropland for cover crops, legumes, and soil-improvement grasses	7,48-53	5
Cropland harvested	1,7,8,10,16,18,42,47,48-53	1,3,5,6,10,15,16
Cropland harvested, irrigated	8-10	7
Cropland idle	7,48-53	5
Cropland in cultivated summer fallow	7,48-53	5
Cropland on which all crops failed	7,48-53	5
Cropland pastured	7,48-53	5
Cropland total	1,7,10,47,48-53	1,5,16
Crops, farms reporting, acres, production	42	15,16
Cucumbers	44	27
Currants	-	29
Customwork, machine hire, and rental of machinery and equipment, expenses	3,10,48-53	3,16
Customwork and other agricultural services, farm-related income	5,48-53	16
D		
Daikon	-	27
Dairy cows (milk cows)	1,10,20,25,30,47,48-53	1,11,16
Dairy products sales, value	2,47,48-53	2,11,16
Dates	-	28
Dewberries	-	29
Diesel fuel expenses	14,48-53	3
Dill for oil	-	31
Disease control in crops and orchards	15,48-53	9
Donkeys, burros, and mules	41	23
Ducks	-	14,22
Ducks, geese, and other poultry	21	14,22
E		
Eggplant	-	27
Electricity expenses	10,47,48-53	3
Emmer and spelt	-	24
Endive	-	27
Equipment and machinery	1,10,12,18,47,48-53	1,8,16
Escarole	-	27
Ewes 1 year old or older	38	13
Expenses, farm production	1,3,10,47,48-53	1,3,16
F		
Family held corporations	48-53	10,16
Family or individual, type of organization	1,16,48-53	10,16
Farm-related income	5,48-53	4
Farms by age and principal occupation of operator	16,48-53	10,16
Farms by size of farm	8,47,48-53	6,16
Farms by standard industrial classification	18,48-53	16
Farms by tenure of operator	16,48-53	10,16
Farms by type of organization	1,16,48-53	10,16
Farms by value of agricultural products sold	1,2,10,18,47,48-53	1,2,16
Farms, number	1,7,8,10,16,18,47,48-53	1,5,10,16
Fattened cattle sales	26,29,31,48-53	11,16
Feed purchased	1,3,47,48-53	3,16
Feeder pigs sales	20,33,35-37,48-53	12

INDEX—Con.

(Index items not reported for the State will not appear in designated tables)

Item	State tables	County tables
F—Con.		
Female operators	16,17,48-53	10
Fertilizer applied	15,48-53	9
Fertilizer expenses	3,10,15,47,48-53	3,16
Fescue seed	44	26
Field seed crops	44,48-53	26
Figs	–	28
Filberts	45	28
Fish sales	41	21
Flaxseed	42,44,48-53	24
Florist greens and flowers, cut	46	30
Flower and vegetable seeds	46	30
Flowering plants, potted	46	30
Flowers and florist greens, cut	46	30
Foliage plants	46	30
Forest products and Christmas trees sales, farm-related income	5,48-53	4
Foxtail millet seed	–	26
Fruit crops	45	15,16,28
Fruits, nuts, and berries sales, value	2,47,48-53	2,16
Fuel oil, kerosene, motor oil, grease, LP gas, etc., expenses	14,48-53	3
Full owners	16,48-53	10,16
G		
Garlic	–	27
Gas, natural, expenses	14,48-53	3
Gasoline and other petroleum fuel and oil expenses	14,48-53	3,16
Gasoline expenses	14,48-53	3
Geese	–	22
Geese, ducks, and other poultry	41	14,22
Ginger root	–	31
Goat milk sales	41	17
Goats	41,48-53	23
Goats, Angora	41	23
Goats, milk	41	17
Goats, other	41	23
Government farm programs payments	5,10,47,48-53	4
Grain hay	43,44	26
Grain sales, value	2,47,48-53	2,16
Grains	44,48-53	16
Grapefruit	45	28
Grapes	45,48-53	28

Item	State tables	County tables
G—Con.		
Grass silage, haylage, and green chop hay	43,44	26
Grazing permits	–	36
Grease, LP gas, fuel oil, kerosene, motor oil, etc., expenses	14,48-53	3
Greenhouse crops	42,46	30
Greenhouse vegetables	46	30
Guar	–	31
Guavas	45	28
H		
Hatcheries	–	22
Hay crops	1,42-44,48-53	1,15,16,26
Hay, silage, and field seeds sales, value	2,47,48-53	2,16
Haylage, grass silage, and green chop hay	43,44	26
Hazelnuts	45	28
Heifers and heifer calves	20,25,48-53	11,16
Hens and pullets of laying age	20,21,48-53	14,16
Herbs	–	31
Hired farm labor expenses	3,10,47,48-53	3,16
Hogs and pigs	1,10,20,32,35,47,48-53	1,12,16
Hogs and pigs sales, value	2,20,33,36,47,48-53	2,12,16
Hogs, litters farrowed	34,37,48-53	12
Honey sales	41	20
Honey tangerines	–	28
Honeydew melons	–	27
Hops	44	31
Horses and ponies	20,41,48-53	13
I		
Income from farm-related sources	5,48-53	4
Income, see net cash return	4,48-53	4
Individual or family, type of organization	1,16,48-53	10,16
Insects, chemical control	15,48-53	9
Interest, debt not secured by real estate	3,48-53	3
Interest, debt secured by real estate	3,48-53	3
Interest expenses	1,3,10,47,48-53	3,16
Irish potatoes	1,42-44,48-53	1,15,16,25

INDEX—Con.

(Index items not reported for the State will not appear in designated tables)

Item	State tables	County tables
I—Con.		
Irrigated farms and acres	1,8–10	1,7
J		
Jojoba	–	31
K		
Kale	–	27
Kentucky bluegrass seed	44	26
Kerosene, motor oil, grease, LP gas, fuel oil, etc., expenses	14,48–53	3
Kiwifruit	–	28
Kumquats	–	28
L		
Labor expenses	1,3,10,47,48–53	3,16
Land and buildings, value	1,10,11,47,48–53	5,16
Land in farms	1,7,8,10,16,18,47, 48–53	1,5,10,16
Land owned	10,48–53	–
Land rented from others	48–53	–
Land rented to others	48–53	–
Land set aside in federal farm programs	7,10,48–53	1
Land use	7,8,10,47,48–53	5
Lemons	45	28
Lentils	44	25
Lespedeza seed	–	26
Lettuce and romaine	44	27
Lima beans, dry	–	25
Lima beans, green	–	27
Lime applied	15,48–53	9
Limes	–	28
Litters farrowed	34,37,48–53	12
Livestock and livestock products sold	20	–
Livestock and poultry	20	1,16
Livestock and poultry purchased	1,3,10,47,48–53	3,16
Livestock, poultry, and their products sales, value	1,2,10,18,20,47	1,2,16
Loans, Commodity Credit Corporation	6,10,48–53	4
Loganberries	–	29
Lotus root	–	31
LP gas, fuel oil, kerosene, motor oil, grease, etc., expenses	14,48–53	3

Item	State tables	County tables
M		
Macadamia nuts	45	28
Machine hire, rental of machinery and equipment, and customwork expenses	3,10,48–53	3,16
Machinery and equipment	1,10,12,18,47,48–53	1,8,16
Male operators	16,17,48–53	10
Mangoes	–	28
Melons	–	27
Milk cows (dairy cows)	1,10,20,25,30,47, 48–53	1,11,16
Milk goats	41	17
Millet, proso	44	24
Millet seed, foxtail	–	26
Mink and their pelts	41	19
Mint for oil	44	31
Mohair sales	41	18
Motor oil, grease, LP gas, fuel oil, kerosene, etc., expenses	14,48–53	3
Motortrucks, including pickups	13,48–53	8,16
Mower conditioners	13,48–53	8
Mules, burros, and donkeys	41	23
Mungbeans for beans	–	31
Mushrooms	46	30
Mustard cabbage	–	27
Mustard greens	–	27
Mustard seed	–	24
N		
Natural gas expenses	14,48–53	3
Nectarines	–	28
Nematode control in crops	15,48–53	9
Net cash return from agricultural sales	4,48–53	4
Nonfamily held corporations	16,48–53	10,16
Number of farms	1,7,8,10,16,18,47, 48–53	1,5,10,16
Nursery and greenhouse crops	42,46	30
Nursery and greenhouse crops sales, value	2,42,46,47,48–53	2,16,30
Nursery crops-shrubs, trees, etc.	46	30
O		
Oat sales, value	2,48–53	2,16
Oats for grain	1,42–44,48–53	1,15,16,24
Occupation of operator	1,16,48–53	1,10,16

INDEX—Con.

(Index items not reported for the State will not appear in designated tables)

Item	State tables	County tables
O—Con.		
Off-farm work by operator	1,16,48-53	1,10,16
Okra	–	27
Olives	–	28
Onions, dry and green	44	27
Operator characteristics–residence, age, race, occupation, off-farm work, sex, Spanish origin, years on present farm	16,17,48-53	10,16
Oranges	45	28
Orchardgrass seed	–	26
Orchards	1,42-44,48-53	1,15,16,28
Organization of farm	1,16,48-53	10,16
Other farm production expenses	5,48-53	3,16
Other field crops sales, value	2,48-53	2,16
Other grains sales, value	2,48-53	2,16
Other livestock and livestock products sales, value	2,47,48-53	2,16
Other poultry	–	22
Owned land	10,48-53	–
P		
Papayas	45	28
Parsley	–	27
Part owners	16,48-53	10,16
Partnership, type of organization	1,16,48-53	10,16
Passion fruit	–	28
Pastureland and grazing land	7,48-53	5
Pastureland and other land irrigated	9	7
Payroll expenses	1,3,10,47,48-53	3,16
Peaches	45,48-53	28
Peanuts for nuts	42-44,48-53	1,15,16,25
Pears	45	28
Peas, Austrian winter	–	26
Peas, Chinese or ming	–	27
Peas, dry edible	44	25
Peas, green	44,48-53	27
Pecans	45,48-53	28
Peppers	–	27
Persimmons	–	28
Petroleum products expenses	3,10,14,48-53	3,16
Pheasants	–	22
Pickup balers	13,48-53	8
Pigeons or squab	–	22
Pimientos	–	27
P—Con.		
Pineapples	1,42,44,48-53	1,15,16,31
Pistachios	–	28
Plums	45	28
Pomegranates	—	28
Ponies and horses	20,41,48-53	13
Popcorn	44	24
Potatoes, Irish	1,42-44,48-53	1,15,16,25
Potatoes, sweet	42,44,48-53	25
Poultry and poultry products sales, value	2,20,48-53	2,16
Poultry hatched	–	22
Principal occupation of operator	1,16,48-53	1,10,16
Production expenses	1,3,10,47,48-53	1,3,16
Property taxes, expenses	3,10,48-53	3,16
Proso millet	44	24
Prunes	45	28
Pullets	22	14
Pumpkins	–	27
Q		
Quail	–	22
R		
Rabbits and their pelts	41	23
Race of operator	16,48-53	34
Radishes	–	27
Rangeland	7,48-53	5
Rapeseed	–	31
Raspberries	44	29
Redtop seed	–	26
Rent paid in cash, expenses	3,10,48-53	3,16
Rent received, farm-related income	5,48-53	4
Repair and maintenance expenses	3,10,48-53	3,16
Residence of operator	16,48-53	10,16
Rhubarb	–	27
Rice	1,42-44,48-53	1,15,16,24
Romaine and lettuce	44	27
Rye for grain	42,44	24
Ryegrass seed	44	26
S		
Safflower	–	24
Sales of agricultural products	1,2,10,18,47,48-53	1,2,16
Salt hay	–	31

INDEX—Con.

(Index items not reported for the State will not appear in designated tables)

Item	State tables	County tables
S—Con.		
Seeds, bulbs, plants, and trees purchased	3,10,48-53	3
Set aside programs, acreage	7,10,48-53	5
Sex of operator	16,17,48-53	10
Shallots	–	27
Sheep and lambs	10,20,38,39,48-53	1,13,16
Sheep and lambs shorn	38,48-53	13
Sheep, lambs, and wool sales, value	2,20,38,47,48-53	2,13,16
Size of farm, average	1,48-53	1,16
Small grain hay	43,44	26
Snap beans, bush and pole	44,48-53	27
Sod	46	30
Sorghum	1,42-44,48-53	1,15,16,24 26,31
Sorghum for grain sales, value	2,48-53	2,16
Southern peas (cowpeas), dry	–	25
Southern peas (cowpeas), green	–	27
Soybeans	1,42-44,48-53	1,15,16,25
Soybeans sales, value	2,48-53	2,16
Spanish origin, operators of	16,17,48-53	35
Spelt and emmer	–	24
Spinach	–	27
Squash	–	27
Standard industrial classification of farms	18,48-53	2,16
Steers, steer calves, bulls, and bull calves	20,25,48-53	11,16
Strawberries	43,44	29
Sudangrass seed	–	26
Sugar beets	42-44,48-53	1,15,16,25
Sugarcane	1,42-44,48-53	1,15,16,25
Sunflower seed	1,42,44,48-53	1,15,16,24
Sweet corn	44,48-53	27
Sweet corn for seed	–	31
Sweet potatoes	42,44,48-53	25
T		
Tame dry hay	43,44	16,26
Tangelos	–	28
Tangerines	–	28
Taro	–	31
Taxes, property, expenses	5,48-53	3
Tenant operated farms	16,48-53	10,16
T—Con.		
Tenure of operator	16,48-53	10,16
Timothy seed	–	26
Tobacco	1,42-44,48-53	1,15,16,25
Tobacco sales, value	2,47,48-53	2,16
Tomatoes	44,48-53	27
Tractors, wheel	13,48-53	8,16
Triticale	–	24
Trout sales	–	21
Trucks, including pickups	13,48-53	8,16
Turkeys	20,21,24,48-53	14
Turnip greens	–	27
Turnips	–	27
Type of farm	18,48-53	16
Type of organization	1,16,48-53	1,10,16
V		
Value of agricultural products sold	1,2,10,18,47,48-53	1,2,16
Value of land and buildings	1,10,18,48-53	5,16
Value of machinery and equipment	1,10,12,18,47,48-53	1,8,16
Vegetable and flower seeds	46	30
Vegetables, greenhouse	46	30
Vegetables harvested for sale	1,42-44,48-53	1,15,16,27
Vegetables, sweet corn, and melons sales, value	2,47,48-53	2,16
Vetch seed	–	26
W		
Walnuts, English	45,48-53	28
Watercress	–	27
Watermelons	44	27
Weeds, chemical control	15,48-53	9
Wheat for grain	1,42-44,48-53	1,15,16,24
Wheat sales, value	2,48-53	2,16
Wheatgrass seed	–	26
Wheel tractors	13,48-53	8,16
Wild hay	43,44	26
Wild rice	–	24
Woodland	1,7,48-53	5
Wool, pounds shorn	38,48-53	13
Work off-farm by operator	1,16,48-53	1,10,16
Y		
Years on present farm	47,48-53	16

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PUBLICATION PROGRAM

1987 CENSUS OF AGRICULTURE

Results of the 1987 Census of Agriculture are being published in a series of reports which provide data for each county (or equivalent), each State, the United States, Puerto Rico, Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands. The publications include statistics on the number of farms; land in farms; farm and operator characteristics; livestock, poultry, and their products; crop production and value; operating expenditures; irrigation; and other characteristics of farms.

Publication order forms may be obtained from Data User Services Division, Customer Services, Bureau of the Census, Washington, DC 20233, any U.S. Department of Commerce district office, or by calling (301) 763-1113.

ADVANCE REPORTS (AC87-A-01-000(A) TO 56-000(A)

Advance Reports are published separately for each county (or equivalent) in the United States with 10 farms or more, for each State, and the United States. The reports contain data for all agricultural operations with $1,000 or more in actual or potential sales of agricultural products in the census year. The Advance Reports contain final data for major data items together with comparable data from the 1982 census. Included in the reports are data on number of farms, land in farms, size of farms, land use practices, farm operator characteristics, sales expenditures, machinery and equipment, livestock, poultry, dairy products sold, and major crops harvested (which vary by State). No advance reports are available for Puerto Rico, Guam, or the U.S. Virgin Islands.

VOLUME 1. GEOGRAPHIC AREA SERIES (AC87-A-1 TO 56)

State and County Data (A-1 to 50) are published showing detailed data in national and State tables for the United States, and in county and State tables separately for each State. These reports include data on number and size of farms; crop production; livestock, poultry, and their products; tenure, age, and occupation of operators; types of organization; value of products sold; and standard industrial classification of farms.

Summary and State Data (A-51)

- Chapter 1. National level data
- Chapter 2. State level data

Outlying Areas (A-52 to 56) provide detailed data for the regions and municipios of Puerto Rico; the election districts of Guam; the U.S. Virgin Islands; American Samoa; and Northern Mariana Islands.

VOLUME 2. SUBJECT SERIES (AC87-S-1 TO 6)

Agricultural Atlas of the United States (AC87-S-1), formerly the *Graphic Summary*, presents a profile of the Nation's agriculture in a series of dot and multicolor pattern maps. The maps provide displays on size and type of farm, land use, farm tenure, market value of products sold, crops harvested, livestock inventories, and other characteristics of farms.

Coverage Evaluation (AC87-S-2) provides national and regional level estimates on the completeness of the census, in terms of both the number of farms missed and selected characteristics of those farms.

Ranking of States and Counties (AC87-S-3) presents the ranking of the top 20 States and the top 100 counties of importance of selected items from the 1987 census. Comparative data from the 1982 census are included in most tables. Tables also show cumulative totals for States and counties.

History (AC87-S-4) is a concise description of the major census operations together with facsimiles of selected data tables. It explains the history of the agriculture census, farm definition, data collection and processing, and dissemination of census data.

Government Payments and Market Value of Agricultural Products Sold (AC87-S-5) shows detailed data for farms cross-tabulated by combined market value of agricultural products sold and Government payments received, including detailed national data and selected data for each State.

ZIP Code Tabulations of Selected Items From the 1987 Census of Agriculture (AC87-S-6) provides tabulations by five-digit ZIP Code for selected items from the 1987 census. Data items include number of farms, land in farms, farms by size, market value of agricultural products sold by size of sale, livestock inventory, cropland harvested, and selected crops.

VOLUME 3. RELATED SURVEYS (AC87-RS-1 AND 2)

The Farm and Ranch Irrigation Survey (AC87-RS-1) provides statistical data collected from a sample of farm operations from the 1987 Census of Agriculture. The publication offers information on acres irrigated, land use, yields of specified crops, methods of water distribution, quantity of water used by its source, and other irrigation practices.

Agricultural Economics and Land Ownership Survey (AC87-RS-2) provides data on indebtedness, expenditures, income and assets for both farm operators and landlords. This report also includes measures of credit used for purchases and expenditures, debt by type of lender, assets, off-farm income, and other land ownership data.

VOLUME 4. CENSUS OF HORTICULTURAL SPECIALTIES (AC87-HOR-1)

This report includes detailed information on the horticultural establishments with production and sales of $2,000 or more. It provides data on number of establishments, value of sales of horticultural products, type of horticultural products, and kinds of horticultural businesses, for the United States, States, and counties.

ELECTRONIC MEDIA

Flexible Diskette—The Advance Reports of the 1987 Census of Agriculture are available on flexible diskettes. The files can be used with any compatible microcomputer employing the PC-DOS 2.0 or higher operating system. Diskettes can be obtained by calling (301) 763-4100.

Computer Tapes—Public-use computer tapes contain the same summary statistics that are found in the published reports. Two files are available for each State: data for counties and the aggregated State-level data. Order forms may be obtained from the Data User Services Division, Customer Services, Bureau of the Census, Washington, DC 20233 (or call (301) 763-4100).

Compact Disc-Read Only Memory (CD-ROM)— Data for the conterminous United States and Puerto Rico are available on CD-ROM. The CD-ROM can be obtained from the Data User Services Division, Customer Services, Bureau of the Census, Washington, DC 20233 (or call (301) 763-4100).

Online Access— National and State level data from the 1987 Census of Agriculture are available on CENDATA through two information vendors— CompuServe and DIALOG. In addition, the advance reports, highlights of the Subject Series, and Related Surveys reports, are available online from AGRIDATA. For information on these services call (301) 763-4100.